CONSTRUCTION NEWS

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Jan. 23	Madison, S. D.	Dec. 29
Jan. 24	Lake Wilson, Minn. Adv. Jan. 5 to 19.	Jan. 12
Jan. 25	Neodesha, Kan.	Jan. 19
Jan. 26	Sealbeach, Cal.	Jan. 19
Jan. 27	Storm Lake, Ia.	Jan. 19
Jan. 30	Hammond, Ind. Adv. Jan. 5 to 19.	Jan. 5
Jan. 30	Indianola, Ia.	Jan. 5
Jan. 31	Atlanta, Ga.	Dec. 29
Jan. 31	Ottawa, Ont.	Jan. 19
Feb. 4	Jamestown N. Y.	Jan. 12
Feb. 4	Buffalo, N. Y.	Jan. 19
Feb. 6	Scappoose, Ore.	Jan. 5

SEWERS

Jan. 23	Madison, S. D.	Dec. 29
Jan. 24	Kearny, N. J.	Jan. 5
Jan. 24	Warren, O.	Jan. 12
Jan. 25	Hamilton, Ont.	Jan. 19
Jan. 25	Wash., D. C. Adv. Jan. 19.	Jan. 19
Jan. 26	Ridgefield, N. J. Adv. Jan. 12 and 19.	Jan. 12
Jan. 27	Milwaukee, Wis.	Jan. 5
Jan. 27	Dallas, Tex.	Jan. 19
Feb. 3	Milwaukee, Wis.	Jan. 12
Feb. 6	Rome, N. Y.	Jan. 5
Feb. 6	Northville, Mich. Adv. Jan. 12 and 19.	Jan. 12
Feb. 7	Springwells, Mich. Adv. Jan. 12 and 19.	Jan. 12
Feb. 7	Brillion, Wis.	Jan. 19
Feb. 13	Oil City, Pa. Adv. Jan. 19.	Jan. 19

WASTE DISPOSAL

Feb. 6	New Orleans, La. Adv. Jan. 19.	Jan. 19

BRIDGES

Jan. 23	Abilene, Tex.	Jan. 19
Jan. 24	Rockford, Ill.	Jan. 19
Jan. 27	Moore Haven, Fla.	Jan. 19
Feb. 1	Superior, Wis.	Jan. 19
Feb. 1	Sea Bright, N. J. Adv. Jan. 5 to 19.	Jan. 12
Feb. 1	Avon, N. J. Adv. Jan. 5 to 19.	Jan. 12
Feb. 2	Prescott, Wis.	Jan. 12
Feb. 6	Bath, N. C. Adv. Jan. 12 and 19.	Jan. 12
Feb. 6	Montesano, Wash.	Jan. 19
Feb. 7	Boonville, Mo. Adv. Jan. 12 and 19.	Jan. 12
Feb. 7	North Carolina	Jan. 19
Feb. 13	Victoria, B. C. Adv. Jan. 12 and 19.	Jan. 19
Feb. 14	Utah Adv. Jan. 19.	Jan. 19
Feb. 18	Missouri	Jan. 12
Feb. 21	Lake Charles, La. Adv. Jan. 19.	Jan. 19
Oct. 31	Sydney, Australia Adv. Jan. 12 and 19.	Jan. 12

EXCAVATION AND DREDGING

Jan. 25	Danville, Ill.	Jan. 19
Jan. 27	Chillicothe, Mo.	Jan. 12
Jan. 30	Olinda, Cal.	Jan. 19
Feb. 7	Woonsocket, S. D.	Jan. 12

STREETS AND ROADS

Jan. 23	California	Jan. 5
Jan. 24	West Virginia	Jan. 5
Jan. 24	Austin, Minn.	Jan. 12
Jan. 24	Oroville, Cal.	Jan. 12
Jan. 24	Ohio	Jan. 12
Jan. 24	Newman, Cal.	Jan. 12
Jan. 24	New Braunfels, Tex.	Jan. 19
Jan. 24	Tampa, Fla.	Jan. 19
Jan. 25	Akron, O.	Jan. 19
Jan. 25	Buffalo, N. Y.	Jan. 19
Jan. 25	Ventura, Cal.	Jan. 19
Jan. 26	Indiana	Jan. 12
Jan. 27	Ohio	Jan. 12
Jan. 27	Moore Haven, Fla.	Jan. 19
Jan. 30	Buffalo, N. Y.	Jan. 19
Jan. 30	California	Jan. 12
Jan. 30	Herrin, Ill.	Jan. 19
Jan. 30	Winner, S. D.	Jan. 12
Jan. 31	Gastonia, N. C. Adv. Jan. 19	Jan. 19
Jan. 31	Lake Wales, Fla. Adv. Dec. 22 to Jan. 19.	Dec. 22
Jan. 31	Ohio	Jan. 12
Jan. 31	Lakeland, Fla.	Jan. 19
Feb. 1	East St. Louis, Ill.	Jan. 5
Feb. 1	Belvidere, N. J. Adv. Jan. 12 and 19.	Jan. 12
Feb. 1	Faribault, Minn.	Jan. 19
Feb. 6	Martinez, Cal.	Jan. 19
Feb. 6	Montesano, Wash.	Jan. 19
Feb. 6	San Luis Obispo, Cal.	Jan. 19
Feb. 6	Salem, N. J. Adv. Jan. 19.	Jan. 19
Feb. 6	California	Jan. 19
Feb. 6	Monroe, N. C.	Jan. 19
Feb. 7	North Carolina	Jan. 19
Feb. 7	Sanford, Fla.	Jan. 19
Feb. 7	Pikeville Ky.	Jan. 5
Feb. 8	Ft. Dodge, Ia.	Jan. 19
Feb. 8	Sturgis, Mich. Adv. Jan. 12 and 19.	Jan. 12
Feb. 14	Oswego, Kan.	Jan. 12
Feb. 28	Washington	Jan. 19
Mar. 1	Duluth, Minn.	Jan. 5

INDUSTRIAL WORK

Jan. 30	Louisville, Ky.	Jan. 19
Feb. 1	Escanaba, Mich.	Jan. 19
Feb. 1	Phila., Pa.	Jan. 19
Feb. 15	Phila., Pa.	Jan. 19

BUILDINGS

Jan. 23	Ansonia, Conn.	Jan. 5
Jan. 23	Quincy, Mass.	Jan. 19
Jan. 23	Shorewood (Milwaukee P.O.), Wis.	Jan. 12
Jan. 24	Grand Rapids, Mich.	Dec. 22
Jan. 24	Madison, Wis.	Dec. 22
Jan. 24	Burbank, Cal.	Jan. 19
Jan. 24	Detroit, Mich.	Jan. 19
Jan. 24	Morgantown, N. C.	Jan. 19
Jan. 25	Boston, Mass.	Jan. 19
Jan. 25	Dansville, Mich.	Jan. 12
Jan. 25	Augusta, Ga.	Jan. 19
Jan. 25	Orlando, Fla.	Jan. 19
Jan. 25	New York, N. Y.	Jan. 19
Jan. 25	West Hoboken, N. J.	Jan. 19
Jan. 25	Campbell, Cal.	Jan. 12
Jan. 26	Davenport, Ia.	Jan. 19
Jan. 26	St. Louis, Mo.	Jan. 12
Jan. 26	Little Falls, N. J.	Jan. 12
Jan. 26	Elizabeth, N. J. Adv. Jan. 12 and 19.	Jan. 12
Jan. 26	San Diego, Cal.	Jan. 19
Jan. 26	Olivia, Minn.	Jan. 5
Jan. 26	Beaver Dam, Wis.	Jan. 12
Jan. 30	Grand Rapids, Mich.	Dec. 22
Jan. 30	Columbus, O.	Jan. 5
Jan. 30	Fond du Lac, Wis.	Jan. 19
Jan. 31	Sheboygan, Wis.	Jan. 19
Feb. 1	Rockford, Ill.	Jan. 19
Feb. 1	Williamsport, Pa.	Sept. 8
Feb. 1	Duluth, Minn.	Oct. 27
Feb. 1	Dallas, Tex.	Jan. 5
Feb. 1	Nashville, Tenn.	Jan. 12
Feb. 1	Porterville, Cal.	Jan. 19
Feb. 1	Lyons, N. Y.	Jan. 19
Feb. 2	Battle Ground, Ind.	Dec. 29
Feb. 2	Butler, Ind.	Jan. 12
Feb. 2	St. Louis, Mo.	Jan. 19
Feb. 4	Buchanan, Mich.	Jan. 19
Feb. 8	Elizabeth, N. J.	Jan. 19
Feb. 8	Columbus, O.	Jan. 19
Feb. 8	Frankfort, Ind.	Jan. 12
Feb. 14	Sacramento, Cal.	Jan. 19
Feb. 18	London, Ont.	Jan. 12

FEDERAL GOVERNMENT WORK

Jan. 24	Bridge—California	Jan. 5
Jan. 24	Road—California	Jan. 5
Jan. 25	Ice Making and Refrigerating Plant—Norfolk, Va.	Jan. 19
Jan. 26	Ice Making and Refrigerating Plant—Wash., D. C.	Jan. 19
Jan. 30	Dredging — Wilmington, Del. Adv. Jan. 5 to 19.	Jan. 5
Jan. 31	Refrigerating Plant—Alexandria, La.	Jan. 19
Feb. 1	Refrigerating and Cold Storage Plant—San Diego, Cal.	Jan. 19
Feb. 1	Kitchen Equipment—Gulfport, Miss. Adv. Jan. 19.	Jan. 19
Feb. 1	Jetty—Wilmington, Del. Adv. Jan. 5 to 19.	Jan. 5
Feb. 6	Construction and Mechanical Equipment—Oteen, N. C.	Jan. 12
Feb. 7	Remodeling Hospital—Boston, Mass. Adv. Jan. 19.	Jan. 19
Feb. 15	Barracks, etc. — San Diego, Cal. Adv. Jan. 19.	Jan. 19
Mar. 9	Water Supply Line—Honolulu, H. T. Adv. Jan. 19.	Jan. 19

MISCELLANEOUS

Jan. 23	Generator Units—Woodward, Okla.	Jan. 12
Jan. 24	Tar—Trenton, N. J.	Jan. 19
Jan. 25	Lumber—New Orleans, La.	Jan. 19
Jan. 25	Electric Wiring, etc. — Binghamton, N. Y. Adv. Jan. 12 and 19.	Jan. 12
Jan. 25	Laundry Equipment—Kings Park, N. Y. Adv. Jan. 12 and 19.	Jan. 12
Jan. 28	Elimination of Grade Crossings—Buffalo, N. Y.	Jan. 19
Jan. 31	Road Roller—Orillia, Ont.	Jan. 19
Feb. 1	Dredge Cable — Portland, Ore.	Jan. 19
Feb. 1	Pumping Equipment — New Britain Conn.	Jan. 19
Feb. 3	Reinforcing Steel—Milwaukee, Wis.	Jan. 19
Feb. 7	Shafts and Tunnel—Jersey City, N. J.	Dec. 29
Feb. 23	Tractor—St. Cloud, Minn.	Jan. 19

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Va., Richmond—Plans water purification plant, pumping station and distribution system. $1,500,000. A. H. McDonnell, clk.

O., Newark—Making plans and takes bids about April 1 for filtration and softening plant, 6,000,000 gal. daily capacity. $225,000. C. P. Hoover, 186 West Spring St., Columbus, engr.

N. Y., Dunkirk—**F.** W. Ballard Co., concult. engrs., Swetland Bldg., Cleveland, submitted preliminary survey report to Bd. Water Comrs., for filtration and electric light plant. $750,000. Engineer not selected.

Wis., Madison—Plans installing heavy duty compressor, additional pumping equipment and wells. E. E. Parker, City Hall, engr.

Minn., Duluth—P. G. Phillips, comr., opens bids about Feb. 15, remodeling reservoir at pumping station, increasing capacity from 3,777,000 to 6,000,000 gal. $125,000. E. W. Kelly Co., 321 Lyceum Bldg., engrs.

Wash., Walla Walla—Water Comn. rejected bids opened Dec. 27, for material incident to complete construction of 2nd part of 3rd Division of proposed additions and betterments to and extensions to water system. Noted Dec. 8.

Cal., Chico—Plan election in May or June to vote on $475,000 bonds to take over properties of Chico Water Supply Co., Chico Vecino Water Co., and C. W. White system. $100,000 of above amount will be used for improvements. F. S. Robinson, city engr.

Cal., Vallejo—Had revised plans prepared constructing works for Gordon Valley Water Project, incl. 18 mi. wood stave pipe aqueduct, 26 in. diameter, earthen dam with clay puddle core, 80 ft. high, 800 ft. long on top and 200 ft. long on bottom, to have concrete headgate. $500,000. C. E. Grunsky, 57 Post St., San Francisco, engr. L. Thompson, Vallejo, resident engr.

Ont., Chatham—Plans election to vote on $600,000 bonds for new waterworks system. W. G. McGeorge, 153 Queen St., engr.

Ont., Toronto—Plans complete waterworks system, domestic and fire, on Toronto Island, c.i. pipe, 6 in. up. $230,000. R. C. Harris, city engr.

BIDS DESIRED

N. Y., Buffalo—Feb. 4. by Dept. Pub. Wks., Municipal Bldg., 500 ton 6-12 in. Class B c.i. pipe, 53 ton specials, two hundred seventy 4-6 in. valves and one hundred 5 ft. hydrants. A. W. Kreinheder comr.

Waterworks (Continued)

D. C., Wash.—See "Sewers."

Ia., Storm Lake — Jan. 27, 250,000 gal. steel tank on 100 ft. tower, pumping machinery and pump house. $25,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, engrs. Noted Jan. 5.

Kan., Neodesha—Jan. 25, by City Clerk, one 250 hp. water tube boiler, surface condenser and auxiliaries, one 300 kw. steam driven engine or turbine, or two 350 kw. full diesel type oil engines. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs. Noted Nov. 3.

Cal., Sealbeach—Jan. 26, by City Clerk for water distributing system. $50,000 bonds voted for project.

Ont., Ottawa—Jan. 31, by A. F. Macallum, city engr., 42 in. steel pipe, valves and fittings. $30,000.

CONTRACTS AWARDED

Va., Charlottesville—For 2,000,000 gal. rein.-con. filter, 1,000,000 gal. rein.-con. reservoir, 5,000 ft. 16 in. concrete pipe, etc., to W. T. Thurston & Co., Merchants Natl. Bank, Richmond, $130,000.

O., Euclid—See "Streets and Roads."

Kansas, Marion—For Sect. 1, construction of building and dam, Sect. 2, pumps and motors and Sect. 3, filter equipment, to Burt & Tripp, Hutchinson, $54,997.

Ariz., Phoenix—Salt River Valley Water Users Assn., for Cave Creek Flood Control, Eastwood multiple arch dam and appurtenances, near here, to L. S. Atkinson, Jr., Chapman Bldg., Los Angeles, Cal., $372,294. Noted Jan. 5.

Sewers

PROPOSED WORK

Fla., Orlando—Plans election to vote on $340,000 bonds for new storm and sanitary sewers and septic tanks. G. R. Ramsey, city engr.

O., Bexley (Columbus P. O.)—Plans about 2 mi. 8 and 10 in. sewers. $85,000. Jennings-Lawrence Co., Hartman Bldg., Columbus, probably engrs.

O., Geneva — Making plans enlarging present disposal plant or building new one. Cost between $30,000 and $50,000. Burgess & Niple, 141 East Broad St., Columbus, engrs.

O., Sebring—Making plans disposal plant. $60,000. Burgess & Niple, 141 East Broad St., Columbus, engrs.

Mich., Kalamazoo—Having preliminary plans made for sewer extensions vitr. crock and brick, or concrete. $100,000. E. S. Clark, city engr.

Ill., Glen Ellyn—Making plans 2 mi. 8-10 in. vitr. tile sanitary sewers, in College Hill addition. $35,000. G. G. Nelson, Sherwin Bldg., Elgin, engr.

Ill., West Hammond—See "Miscellaneous."

Wis., Jefferson—Making plans storm sewer to drain eastern portion of city. Parsons & Orbert, 216 West Water St., Milwaukee, engrs.

Cal., Oakland—Had specifications prepared and takes bids about Feb. 5, sewer in Jackson St., 1,293 lin.ft. 10-21 in. vitr. pipe sewers, 1,131 lin.ft. 30 in. concrete sewers, etc. G. Mattis, city engr.

Ont., St. Catharines—Plans 1½ mi. vitr. tile storm relief sewer in Welland Ave., 12 in. up. $30,000. W. P. Near, City Hall, engr.

BIDS DESIRED

Pa., Oil City—Feb. 13, at office City Controller, sewers in Upper Third Ward. B. B. Weber, city engr.; adv. this issue.

Pa., Pittsburgh—Taking bids for Saw Mill Run Basin Trunk Sanitary Sewer, 4,389 ft. rein.-con. pipe, 370 ft. 8-24 in. terra cotta pipe, 312 ft. 6 in. terra cotta sewer, house lateral connections, 25,000 ft. hemlock lumber, 50 cu.yd. excav., 100 cu.yd. excav., 100 cu.yd. concrete, etc. $94,000. C. M. Reppert, city engr.

D. C., Wash.—Jan. 25, by Washington Suburban Sanitary Comn., Evans Bldg., New York Ave., N. W., vitr. sewer pipe, Contr. 23-S; c.i. bell and spigot water pipe and castings, Contr. 24-W. R. B. Morse, Hyattsville, ch. engr.; adv. this issue.

Wis., Brillion—Feb. 7, by E. Grevett, clk., new sewerage system, incl. pumps, disposal station, etc. $50,000. J. Donohue, 628 North 8th St., Sheboygan, engr.

Tex., Dallas—Jan. 27, storm and sanitary sewers in Pacific Ave. from Preston St. to Trinity River with laterals, 7,099 ft. 24-84 in. monolithic concrete pipe and 15,119 ft. 8-24 in. vitr. pipe. $300,000. G. D. Fairtrace, city engr.

Ont., Hamilton—Jan. 25, by G. C. Coppley, mayor, 2,500 lin.ft. concrete sewer in King St. near Paradise Rd., also for 1,150 lin.ft. 33 in. and 1,300 ft. 30 in. rein.-con. channel pipe. $30,000. E. R. Gray, city engr. Noted Dec. 1.

BIDS RECEIVED

Mich., Detroit—For sewer in Six Mile Rd. from Conant Rd. to Lumkin Six Mile Rd. Sewer, Sect. 4, from J. A. Mercier, 216 Hammond Bldg., $290,350. J. Bollin Co., 1259 Book Bldg., $292,847. Booth & Flinn, Cadillac Sq. and Bates St., $303,359; Lateral Sewer 3586 in blocks bounded by Harned, Seven Mile Rd., State Fair Ave. and alley east of Gallagher Ave., from R. D. Baker 1631 Elmhurst Ave., $25,500, Western Constr. Co., 1208 Ford Bldg., $26,982, Detroit Drainage Constr. Co., 400 Penobscot Bldg., $27,900. Noted Dec. 15.

Wis., Appleton—Opened bids Jan. 4, extensions to trunk sewers in Atlantic St. and Bellaire Park, (1) 48 in. sewer, (2) standard manhole, (3) type A sewer, Class A, from Mankato Constr. Co., Mankato, (1) $16.90 (2) $100, (3) $32; F. E. Kaminski, Watertown, (1) $19.50 (2) $140, (3) $37.50; R. J. Wilson & Co., Appleton, (1) $21.52, (2) $148, (3) $33.58; Class B from G. D. Thorne, Oshkosh, (1) $15.90, (2) $150, (3) $27; R. J. Wilson & Co., (1) $17.40, (2) $148, (3) $33.58; W. F. Ribbens, Mayville, (1) $17.60, (2) $150, (3) $37.41; Hoffman Constr. Co., 1087 Oneida St., (1) $18.89, (2) $73, (3) $21.70. Noted Dec. 15.

Wis., Milwaukee—Sewerage Comn. opened bids Jan. 13, sedimentation and aeration tanks in connection with disposal plant on Jones Island, from Du Pont Eng. Co., Wilmington, Del., $726,188; W. W. Oeflein, 86 Michigan St., $945,000; Grant Smith Co., St. Paul, Minn., $969,000. Noted Dec. 8.

CONTRACTS AWARDED

O., Columbus—R. W. Smith, clk. Franklin Co. 3 mi. 15-36 in. joint intercepting sewer in Clinton Dist. 2, to Federal Paving Co., 724 Linwood Ave., $86,517. Noted Dec. 29.

O., Euclid—See "Streets and Roads."

Cal., Sacramento—Installing electrically driven pumping unit for Sewage Station 1, to Latourette-Fical Co., 3431 Sacramento Blvd., $10,500. Noted Jan. 5.

Ont., Oshawa—Will lay 10 and 12 in. trunk sewer in Westmunt St., by day labor under direction of N. G. McDonald, city engr. $70,000. Pipe already purchased. Noted Dec. 8.

Waste Disposal

BIDS DESIRED

Va., Charlottesville—W. W. Washabaugh, city mgr., receiving bids for brick incinerator, 15 ton capacity furnace. $8,000.

La., New Orleans—Feb. 6 (change of date), at office R. M. Murphy, comr. pub. finances, garbage incinerator; adv. this issue. Noted Dec. 22.

BIDS RECEIVED

Ill., Downers Grove — Bd. Trustees Downers Grove Sanitary Dist., disposal plant, connecting and outlet sewers and appurtenances, from Orr & Hildeman, Chicago Heights, $61,320; Larabee & Keuhn, Aurora, $64,126; Ward & Weighton, 516 Davidson Bldg., Sioux City, Ia., $64,170. Noted Dec. 22.

CONTRACTS AWARDED

Pa., East Pittsburgh—Garbage disposal plant, 15 ton capacity, Main and Brenton Sts., to C. F. Walthers, 233 Addison St., Pittsburgh.

Bridges

PROPOSED WORK

N. J., Trenton—Bd. Freeholders Mercer Co. plans rebuilding East Clinton Ave. Bridge, $20,000, Edinburg Bridge, $15,000; strengthening Groveville Rd. Bridge $2,000; improving 4 Brunswick Pike Bridges, cost between $16,000 and $20,500; repairing Willow St. Bridge, $2,000, Chambers St. Bridge, $3,000, Cedar Grove Bridge, $2,000 and Keelers Bridge, $18,000; also other repairs, making total of $79,000. H. F. Harris, Court House, engr.

Ind., Indianapolis—See Streets and Roads.

O., Cleveland—Comrs. Cuyahoga Co. making plans concrete and steel high level bridge (Huron-Lorain Bridge), over Cuyahoga River. $5,000,000. F. J. Lander, Court House, engr.

O., Cleveland—Plans to raze easterly section of old Superior Viaduct and swing new bridge over to St. Clair Ave. $500,000. R. Hoffman, City Hall, engr.

Ill., Waukegan—Warren Twp., c/o C. E. Russel, engr., Court House, making plans steel pony truss bridge, concrete piers and abutments, 30 ft. roadway, two 5 ft. sidewalks, over Des Plaines River, on Grand Ave. $40,000.

Kansas—See "Streets and Roads."

Wyoming—State Highway Dept., Cheyenne, opens bids about March 10, 3 spans cantilever bridge and approaches, rein.-con., 416 ft. long, 20 ft. roadway, on Federal Aid Project 119, 1 mi. west of Douglas. Converse Co. $60,000. J. F. Seiler, State Highway Comn., engr.

Ont., Todmorden — York Twp. has sketches made for bridge, 1,400 ft. long, 56 ft. wide, 130 ft. high, to have 7 rein.-con. arches, each 200 ft. spans, from here to Leaside. $870,000. F. Barber, 40 Jarvis St., Toronto, engr.

BIDS DESIRED

N. Y., Buffalo—See "Miscellaneous."

North Carolina—Feb. 7, by State Hy. Comn., Raleigh, bridge between Forest City and Ellenboro on Route 20, State Project 880, Rutherford Co., 698 cu.yd. concrete, 100,790 lb. reinforcing, etc.; bridge over Rocky River, between Norwood and Ansonville on Route 80, State Project 866, Anson and Stanley Counties, 1,665 cu.yd. concrete, 130,100 lb. reinforcing, etc.; bridge over Eno River, near Hillsboro, State Project 453, Orange Co., 1,116 cu.yd. concrete, 154,922 lb. reinforcing, etc.; bridges and culverts between Greenville and Bethel, on Route 11, State Project 183B, Pitt Co., 840 cu.yd. concrete, 71,200 lb. reinforcing, 81,400 lb. structural steel, etc. C. M. Upham, state highway engr.

Fla., Moore Haven—Jan. 27, by Comrs. Glades Co., 1 steel draw bridge, 50 ft. clear span, 16 ft. roadway and 4 wooden bridges 14 x 16 ft. in smaller canals, near here. $25,000. T. E. Fredericks, Moore Haven, engr.

La., Lake Charles—Feb. 21, by W. J. Prater, pres. Police Jury, Calcasieu Parish, at office of Parish Clerk, Moss Bluff Highway Bridge across Calcasieu River, near here; adv. this issue.

Ill., Rockford—Jan. 24, by Winnebago Co., rein.-con. bridge to have three 52 ft. spans, 18 ft. roadway, over all 26 ft., between Harrison and Shirland Twps.; alternate bids on steel bridge 150 ft. span, $22,995 and $21,395 respectively, exclusive of piling. A. R. Carter, supt. highways.

Wis., Superior—Feb. 1, by Great Northern R.R., Railway Bldg., St. Paul, Minn., 120 ft. viaduct, 24 ft., over railroad tracks to Bakers Island Central Park; repair work and paving approach to Interstate Bridge, here. $100,000. J. A. Bohland, bridge engr.

Tex., Abilene—Jan. 23, by D. T. Hill, judge Taylor Co. 200 ft. concrete girder bridge, 20 ft. roadway. $27,819.

Utah—Feb. 14, by State Rd. Comn., Salt Lake City, furnishing fabricated steel trusses for Federal Aid Project 30 B, between Ogden and Huntsville, Weber Co. H. C. Means, state rd. engr.; adv. this issue.

Wash., Montesano—Feb. 6, by Comrs. Grays Harbor Co., 60 ft. bridge over Chenoise Creek at Tulips, 60 ft. bridge on Elma-Oakville Rd. at Malone, 80 ft. trestle to gravel bunkers, 50 ft. bridge on Stilson Rd. and 50 ft. bridge on Heise Rd., all timber. H. S. Shorey, Aberdeen, engr.

B. C., Victoria—Feb. 13, by City Clerk, fabricating and erecting part of superstructure of Johnson St. Bridge, Contr. 3; adv. this issue.

CONTRACTS AWARDED

Va., Norton—Interstate Railroad Co., Norton, 15 deck plate girder bridges for its Guest River extension, 7 deck plate girder and 4 half through bridges for replacing those on main line between here and Appalachia, to McClintic-Marshall Co., Oliver Bldg., Pittsburgh.

Kentucky—State Hy. Comn., Frankfort, removing old bridge and abutments and constructing temporary bridge, 250 ft. steel span, 30 ft. roadway, over Clover Creek, Breckenridge Co., to Pan Amer. Bridge Co., Newcastle, Ind., $59,008; Big Blaine Creek Bridge and East Fork Creek Bridge, Lawrence Co., to Highway Iron Products Co., Ligonier, Ind., $16,911 and $7,431 respectively; Cat Creek Bridge, Lawrence Co., to Kentucky Bridge Co., Louisville, $20,610; East Fork Creek Bridge, Boyd Co., to Champion Bridge Co., Wilmington, O., $16,000. Noted Oct. 13 and Jan. 12.

Wis., Sheboygan—For steel double type bascule lift bridge over Sheboygan River on 8th St., to Wisconsin Bridge & Iron Co., North Milwaukee, $211,000. Noted Dec. 1.

California—Minerets and Western R.R., large steel bridge to Mercer-Fraser Co., 109 G St., Eureka; 500 ton steel for bridge to American Bridge Co., Rialto Bldg., San Francisco. Noted Dec. 29, under "Railways."

Cal., Fresno — Fresco Co., 4 rein.-con. bridges on Fowler-Laton Rd., to Parlier & Lowry, Tulare, $19,990; 3 rein.-con. bridges on Fowler-Laton Rd., to E. C. Smallin & I. A. Thompson, Clovis, $4,420. Noted Dec. 15.

Dams

PROPOSED WORK

Cal., Vallejo—See "Waterworks."

Railways

PROPOSED WORK

California—L. M. Hoefler, atty., Claus Spreckels Bldg., San Francisco, heads committee of San Mateo County, capitalists and citizens, which plan to rebuild old Ocean Shore R.R.; new rails will be laid on old track-bed. $1,506,000. Estimates of costs, etc., prepared by E. W. Moore, engr., c/o L. M. Hoefler, atty.

CONTRACTS AWARDED

Ontario—Temiskaming & Northern Ontario Ry. Comn., North Bay, 70 mi. road from Cochrane to New Post, incl. 890 acres clearing, 150 acres grubbing, 918,500 cu.yd. excav., 15,000 ft. temporary trestles, 90,000 lin.ft. driven pile, 20,000 cu.yd. concrete in bridge foundations and culverts, 2,300 lin.ft. 15, 24, 30 and 36 in. concrete culvert pipe, 12,000 lin.ft. reinforcing steel rails, 30,000 lb. reinforcing steel bars, 80 mi. single track, 50 turnouts, 250,000 cu.yd. ballast, 160,000 ties, to Grant, Smith & Co. & McDonnell, Ltd., 736 Gran St., Vancouver, B. C., $300,000. Owners will supply steel rails, switches, turnouts, frogs, track bolts, track spikes, tie plates, rail joints, all reinforcing steel for concrete and 75,000 of the 160,000 ties required. Noted Dec. 15.

Excavation and Dredging

PROPOSED WORK

Minn., Ivanhoe—Lincoln Co. rejected bids opened Jan. 6, Ditch 53, 62,707 cu.yd. excav., 32,025 lin.ft. 6-32 in. tile. $46,511. Noted Dec. 29.

Minn., Ortonville—Big Stone Co. making plans and will probably open bids in May. Judicial Ditch 9. $1,371,000. A. V. Randall, aud. S. B. Gardner, Benson, engr.

Minn., Alexandria—Douglas Co. (Alexandria) and Todd Co. (Long Prairie), making plans Judicial Ditch 5. $497,874. S. B. Gardner, Benson, engr.

Minn., Benson—Swift Co. making plans Judicial Ditch 8. $600,000. S. B. Gardner, Benson, engr.

BIDS DESIRED

Ill., Danville—Jan. 25, by Comrs. Stony Creek D.D. at office of Rearick & Meeks, attys., 1202 1st Natl. Bank Bldg., for open ditch work, Stony Creek D.D., Vermilion and Champaign Counties, 93,758 cu.yd. excav. J. F. Fisher, 512 Temple Bldg., engr.

Cal., Olinda—Jan. 30, by Happy Valley Irrigation Dist., reconstructing main canal, incl. weirs, waste gates, overhead crossings, metal and concrete flumes, etc. L. K. Kennedy, Olinda, superv. engr. of dist. T. H. Means, 58 Sutter St., San Francisco, consult. engr.

CONTRACTS AWARDED

Cal., Los Angeles — Dredging east and west basins of Los Angeles Harbor, to United Dredging Co., Central Bldg., $243,904. Award conditional on approval by city attorney. Noted Dec. 29.

Streets and Roads

PROPOSED WORK

N. J., Trenton—Bd. Freeholders Mercer Co., plans reconstructing 1.9 mi. White Horse-Yardville Rd., $100,000; 0.2 mi. East Clinton Ave., $15,000; 0.7 mi. South Broad St., both sides, $110,000; 1 mi. River Rd., $36,000 and 0.09 mi. River Rd. to Washingtons Crossing, $50,000. H. F. Harris, Court House, engr.

N. J., Trenton—Bd. Freeholders Mercer Co. plans paving 1½ mi. River Rd. at Scudders Falls, concrete. $80,000. H. F. Harris, Court House, engr.

Va., Norfolk—C. E. Ashburner, city mgr., soon receives bids, concrete paving, widening, re-setting old curbing, etc., on 2 mi. Olney Rd. from Monticello Ave. to Highland Ave. $53,408.

Va., South Boston—Plans paving various streets, wood block, concrete, etc. $90,000 bonds voted. J. W. Hardy, clk.

N. C., Bryson City—Comrs. Forney Twp. plan grading and surfacing 25 mi. road from here to Tennessee line. $400,000. T. H. Hunter, ch. Twp. Comn.

N. C., Marion—McDowell Co. plans clearing, grading, bridging and surfacing 5.5 mi road from Dysartville to Rutherford Co. line. $40,000. J. L. Martin, co. engr.

Fla., Clearwater — J. N. Brown, Court House, and associates, plans paving ¾-mi. road, brick or asphalt, $40,000.

Fla., New Smyrna — Plans repaving streets. $150,000. M. B. Pringle, city mgr.

O., Dayton—Plans paving 1,500 ft. Springfield St. from Fockes Station to present paving, 8,300 sq.yd. vitr. brick or concrete on concrete, $40,000; 800 ft. Louie St. from 5th to Hartford Sts., $13,500, 4,000 ft. Washington St. from Ludlow St. to Bway., $85,000, about 20,000 sq.yd. vitr. brick or wood block on concrete. I. E. Houk, city engr.

Ind., Indianapolis—Marion Co. plans paving Northwestern Ave., 108,012 cu.yd. concrete and 18,002 cu.yd. earth excav., $243,029; also 4 bridges, $33,450.

Michigan—State Hy. Dept., Lansing, soon takes bids grading and surfacing 2 mi. State Trunk Line Rd. 14-27, Sect. B, Hillsdale Co.

Ill., Elgin—Bd. Local Impvts. making plans resurfacing with bituminous macadam and repairing concrete base on Grant Highway. $33,000. M. H. Brightman, City Hall, engr.

Ill., Joliet—Will Co. making plans concrete paving various roads. $91,500. W. H. Smith, Court House, engr.

Ill., Peoria—Bd. Local Impvts. making plans paving Bway. and various other streets, vitr. brick or asphalt on concrete. $75,000. L. D. Jeffries, City Hall, engr.

Wis., Jefferson—Will take bids in February paving Racine, B, Ogden and Center Sts., 1st Ave. and 1 alley. Parsons & Orbert, 216 West Water St., Milwaukee, engrs.

Wis., North Fond du Lac (Fond du Lac P. O.)—Making plans paving 1.5 mi. Wisconsin St., etc., 30 ft., one or two course rein.-con., concrete curbs and gutters. G. A. Marshall, Fond du Lac, engr.

Minn., St. Paul—Ramsey Co. plans concrete paving New Brighton Rd. from Snelling Ave. to county line, $100,000; Hudson Rd. from Minnehaha St. to Washington Co. line, $40,000; Lake Ave. from Portland Ave. to east county line, $17,000; Lake Ave. through White Bear Village, $17,000. R. R. Godfrey, co. engr.

Kansas—Federal Government appropriated $162,500 toward gravel surfacing 21.5 mi King of Trails, Anderson Co.; $135,300 surfacing 9.6 mi. Effingham Rd., concrete, and 3.5 mi. Leavenworth Rd., concrete or gravel, Atchison Co.; $165,492 for 21.2 mi. road, incl. reconstructing 19 mi. traffic road, Fort Scott north and east on "loop" and 5 bridges, Bourbon Co.; $126,000 10.5 mi. road, Augusta, west, brick or concrete, Butler Co.; $22,356 bridges on Capitol Highway, Brown Co.; $67,500 4.5 mi. St. Joseph-Troy stretch of Ocean-to-Ocean Highway, concrete or bituminous, Doniphan Co.; $120,000 paving 12 mi. Independence-Caney stretch of Capitol Highway brick or bituminous macadam, Montgomery Co.; $31,200 2.08 mi. Meridian Highway, Ottawa Co.; $266,164 19.85 mi. Wichita, west on Cannonball Rd., Sedgwick Co.; $180,000 4 mi. on Meriden Spur and 11 mi. road south of Topeka on Capitol Highway, concrete, Shawnee Co.; $58,600 3 mi. road south of Emporia, brick or concrete and bridge over Cottonwood River, Lyon Co.; $24,000 gravel surfacing 8 mi. Old Santa Fe Trail, Kinsley, west, Edwards Co.; $69,000 grading 3 mi. and building 1,100 ft. trestle, Kansas City-Fort Scott Short Line, Linn Co. A total of at least $2,856,225 will be spent immediately on road construction work in Kansas.

S. D., Sioux Falls—Had plans prepared paving 8th St. from Weber Ave. to west side of Cliff Ave., 12,311 sq.yd. portland cement, sheet asphalt or bituminous concrete. $36,000. S. B. Howe city engr.

S. D., Sioux Falls—Minnehaha Co. making plans paving 1 mi. road from viaduct over Chicago, Milwaukee & St. Paul R.R. tracks to Dell Rapids Highway, probably concrete. $35,000. F. E. Ward, aud.

Missouri—State Hy. Dept., Jefferson City, plans 9.957 mi. highway from Neosha eastward and westward, Federal Aid Project 182 Newton Co., 25,952 cu.yd. earth excav., 10,721 cu.yd. borrow, 15,451 sq.yd. gravel surfacing and 353.9 cu.yd. concrete masonry, etc., $72,998; 6.383 mi. road from Huntsville to Keytesville, Federal Aid Project 44, Sect. A, Randolph Co., 33,781 cu.yd. earth excav., 20,243 cu.yd. borrow and 339.9 cu.yd. concrete masonry, etc., $72,324. A. Graham, state highway engr.

Tex., Dallas—Dallas Co. making plans grading and surfacing 13.2 mi. Beckley Rd. south to county line, asphalt on macadam. 18 ft. $145,000. Nagle-Witt-Rollins Eng. Co., Court House, engrs.

Tex., Dallas—Having plans prepared paving 1 mi. Clinton Ave. from Kings Highway to south city limits, uvalde rock. $100,000. G. D. Fairtrace, city engr.

Tex., Karnes City—Karnes Co. making plans grading, surfacing and erecting 160 ft. concrete bridge on 16 mi. Highway 9 from Bee Co. line through Rd. Dist. 4, 65,000 cu.yd. roadway excav., 168,960 sq.yd. bituminous macadam, 1,124 cu.yd. concrete, 168,520 lb. reinforcing, 42,240 cu.yd. gravel base. $320,630. O. N. Powell, Kenedy, co. engr.

Tex., Marshall—Making plans and soon takes bids paving Courthouse Sq. $50,000. H. E. Elrod, Interurban Bldg., Dallas, engrs.

Tex., San Antonio—Bexar Co. making plans grading, gravel surfacing and topping 8.37 mi. State Highway 2 from Pearsall Rd.-Leon Creek to Artesian Belt R.R., 316 cu.yd. concrete, 79,101 sq.yd. bituminous macadam, 18,276 cu.yd. gravel surfacing, 24,225 lb. reinforcing. $158,655. C. E. Hoff, co. engr.

Okla, Poteau—Le Flore Co. voted $800,000 bonds for roads.

Cal., El Centro—Bd. Supervs. Imperial Co. rejected bids received Dec. 19, paving West Side Highway. Noted Dec. 1.

Cal., Fairfield—F. E. Steiger, Solano Co. surv., preparing plans and takes bids latter part of February constructing 6.08 mi. roads in Rd. Dist. Impvt. 4, incl. 34,320 ft. grading, 25 ft. wide and 34,320 ft. bituminous concrete paving, 15 ft. wide. $112,000.

Cal., Oakland—Completed specifications improving Bayo St. between Vale and Tompkins Sts., 3,301 cu.yd. excav., 3,414 lin. ft. concrete curb, 6,917 sq.ft. concrete gutter, 46,924 sq.ft. oil macadam pavement, 17,308 sq.ft. cement sidewalks, etc.; Walnut St. between 90th and 96th Aves., 37,793 sq.ft. grading, 1,314 lin. ft. concrete curb, 2,728 sq.ft. concrete gutter, 18,318 sq.ft. oil macadam pavement. G. Mattis, city engr.

Cal., Oakland—Had specifications made and takes bids about Feb. 5, improving Jackson St. between 7th and 10th Sts., 32,104 sq.ft. grading, 1,172 lin.ft. concrete curb, 1,316 sq.ft. concrete gutter and 30,788 sq.ft. asphaltic concrete pavement. G. Mattis, city engr.

Cal., San Diego—Making plans paving about 3,000 ft. Ivy St. from Balboa Park to India St., $35,000; 3,000 ft. Grape St. from Balboa Park to India St., $35,000, all 1½ in. wearing surface (Topeka top) on 2½ in. asphaltic concrete. F. A. Rhodes, City Hall, engr.

Cal., Stockton—Supervs. San Joaquin Co. takes bids about July 1, grading and graveling 6 mi. Gawne Rd. F. E. Quail, surv.

Ontario—Provincial Hy. Dept., Toronto, Middlesex Co. (London), and Elgin Co. (St. Thomas), having plans prepared and take bids end of March, 18 mi. Lambeth Highway from London to Port Stanley, concrete. $350,000.

Ont., Port Hope—Plans 20,000 sq.yd. pavement on Main St., concrete, asphalt or bithulithic. $90,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

Ont., Port Rowan—Having plans prepared paving Main St., concrete. $50,000. Wants prices on concrete. G. R. Marston, Simcoe, engr.

Ont., Ridgetown—Having plans prepared paving Main St., concrete. $70,000. Prices wanted on cement. H. McDonald, Ridgetown, engr.

Ont., Whitby—Having plans prepared 25,000 sq.yd. bithulithic pavement on concrete. $100,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

Ont., Woodstock—Having plans prepared paving Charles St. E. and Bell St., concrete, $40,000. Wants prices on cement. F. J. Ure, Woodstock, engr.

BIDS DESIRED

N. Y., Buffalo—Jan. 25, by A. W. Kreinheder, comr. Pub. Wks., Muncipal Bldg., paving and repaving 6 streets, vitr. brick, granite block or asphalt on concrete. G. H. Norton, Municipal Bldg., engr.

N. Y., Buffalo—Jan. 30, by A. W. Kreinheder, comr. Pub. Wks., Municipal Bldg., paving and repaving 6 streets, vitr. brick, wood block or asphalt on concrete. G. H. Norton, Municipal Bldg., engr.

N. J., Salem—Feb. 6, by Salem Co. reconstructing State Highway Route 6, Sect. 5, Shirley-Oldmans Creek, rein.-con. H. B. Keasbey, Salem, co. engr.; adv. this issue.

North Carolina—Feb. 7, by State Hy. Comn., Raleigh, constructing 15.18 mi. road between Martin Co. line and Pleasant Grove Siding on Route 90, State Project 195, Washington Co., 8 acres clearing, 31,300 cu.yd. common excav., 41,400 cu.yd. borrow, 7,500 cu.yd. drainage ditches, 35,560 cu.yd. topsoil, sand clay or gravel surfacing, 618 cu.yd. concrete, 64,600 lb. reinforcing, etc. 15.11 mi. between Rocky Mount and Tarboro on Route 90, State Project 125, Edgecombe Co., 10 acres clearing, 28,400 cu.yd. excav., 22,700 cu.yd. borrow, 6,000 cu.yd. drainage ditches, 1,460

Streets and Roads (Continued)

lin.ft. 18-24 in. rein.-con., D. S. T. C., or c.i. pipe, 141,620 sq.yd. plain or rein.-con. pavement or 141,620 sq.yd. combination concrete base with 123,920 sq.yd. topeka, sheet or rock asphalt, or asphaltic concrete surfacing, 470 cu.yd. concrete, 49,630 lb. reinforcing, etc.; 9.95 mi. between Dixon and Pender Co. line on Route 30, State Project 364A, Onslow Co., 41 acres clearing, 22,200 cu.yd. excav., 50,600 cu.yd. borrow, 6,000 cu.yd. drainage ditches, 26,300 cu.yd. topsoil, sand clay or gravel surfacing, 1,154,000 sta.yd. overhaul on surfacing, 19,320 lb. reinforcing, etc.; 3.77 mi. between Thomasville and Guilford Co. line on Route 10, State Project 526, Davidson Co., 13,000 cu.yd. common and 3,350 cu.yd. rock excav., 3,300 cu.yd. borrow, 39,720 sq.yd. plain or rein.-con. pavement or 39,720 sq.yd. combination concrete base with 35,310 sq.yd. topeka, sheet or rock asphalt or asphaltic concrete surfacing, 309 cu.yd. concrete, 35,300 lb. reinforcing, etc.; 2.4 mi. between Buff Land and bridge at South Mills on Route 341, State Project 174, Pasquotank and Camden Counties, 6 acres clearing, 2,700 cu.yd. excav., 44,800 cu.yd. borrow, 12,000 sq.yd. corduroy, 370 cu.yd. concrete, 36,950 lb. reinforcing and 111,550 lb. structural steel, 192 sq.yd. asphalt wearing surface, etc.; 0.42 mi. road in Burlington, on Route 10, State Project 505, Alamance Co., 2,300 cu.yd. excav., 3,990 combination concrete base with 3,490 sq.yd. topeka, sheet or rock asphalt, or asphaltic concrete surfacing, etc.; 14.35 mi. between Greenville and Beaufort Co. line on Route 91, State Project 185, Pitt Co., 10 acres clearing, 20,700 cu.yd. excav., 41,600 cu.yd. borrow, 2,000 cu.yd. drainage ditches, 1,132 lin.ft. rein.-con., D. S. T. C., or c.i. pipe, 5,820 lb. reinforcing, etc.; 6.91 mi. between Doughton and State Rd. on Route 26, State Project 760, Surry and Wilkes Counties, 12 acres clearing, 31,100 cu.yd. common and 2,200 cu.yd. solid rock excav., 1,200 cu.yd. borrow, 1,646 lin.ft. 15-18 in. rein.-con., D. S. T. C., corrugated metal or c.i. pipe, 18,250 cu.yd. topsoil, sand clay or gravel surfacing, 15,700 sta.yd. overhaul on surfacing, 4,850 lb. reinforcing, etc. C. M. Upham, state highway engr.

N. C., Gastonia—Jan. 31, by Comrs. Gaston Co., constructing 6.3 mi. Linwood Rd., Project 3; 7.48 mi. New Hope Rd., Project 4; 7 mi. Stanley Rd., Project 5; 3.8 mi. South Gastonia Rd., Project 6. D. L. Struthers, highway engr.; adv. this issue.

N. C., Monroe—Feb. 6, by Rd. Comrs. Union Co., constructing 7.5 mi. Providence Rd. from Jackson Highway to South Carolina State line; 4 mi. road from Providence Rd. near Weddington to Marvin; 10 mi. Lancaster Rd. from Mt. Carmel to South Carolina State line; 6 mi. Rocky River Rd. from Lancaster Rd. near Brooms Store to South Carolina State line; 9 mi. Wolf Pond Rd. from D. W. Flows Residence to South Carolina State line; 2 mi. road from Unionville to Morgan Mill; 6 mi. New Town Rd. from point near Tyndall Place to Providence Rd.; 3 mi. Waxhaw-Indian Trail Rd. from Waxhaw to Twelve Mile Creek; 4 mi. Weddington-Matthews Rd. from Weddington to Mecklenburg Co. line; 4 mi. road from near G. B. Walters Store to South Carolina State line; improving 4 mi. road from Charlotte-Wilmington Highway through Indian Trail to Secrest Short Cut; 8 mi. road from Euto and Olive Branch to Rocky River; completing 6 mi. Monroe-Pageland Rd.; 7 mi. Marshville-Euto Rd. from Richardson Creek north; 6 mi. Morgan Mill Rd. to Rocky River; 3 mi. Stack Rd.; 6 mi. Secrest Short Cut Rd. through Vance Twp. to Mecklenburg Co. line; topsoiling 3.5 mi. Monroe-Olive Branch Rd., 3 mi. Providence Rd., and grading and topsoiling 10 mi. Monroe-Olive Branch Rd. R. F. Ezzell, co. engr.

Fla., Lake Wales—Jan. 31, by Town Council, paving 13 mi. various streets, 175,000 yd. limestone, asphalt block, vitr. brick, or concrete; 70,000 yd. Project A, 50,000 yd. Project B and 60,000 yd. Project C, brick, asphalt or concrete paving, concrete or granite curbs, etc. M. M. Ebert, clk. J. W. Turner, engr.

Fla., Moore Haven—Jan. 27, by Comrs. Glades Co., grading Roads 2, 5 and 6, 6 mi. long, 8,995 cu.yd. rock. $27,000. T. E. Frederick, Moore Haven, engr.

Fla., Sanford—Feb. 7, by Comrs. Seminole Co., paving with asphalt, concrete, bituminous macadam or surface treated macadam, 37,000 yd. road from Oviedo to Goldenrod; 10,000 yd. from Chuluota to county line; 11,000 yd. Osceola Rd. L. A. Brumley, chn. T. Williams, Sanford, engr.

Fla., Tampa—Jan. 24, paving, resetting curb and new curb on Stuart, North Albany and Amelia Sts., 13,000 sq.yd. asphalt block and 5,000 lin.ft. concrete curb and gutter. R. D. Martin, Tampa, engr.

O., Akron—Jan. 25 by Summit Co., grading and paving 3 mi. Stowe-Springfield Rd., 30,000 sq.yd. vertical fibre brick, asphalt or concrete on concrete, $137,000; 2.6 mi. Akron-Wadsworth Rd., 26,000 sq.yd. vitr. brick, asphalt or concrete on concrete, $137,000. J. Weaver, Court House, engr.

Ill., Herrin—Jan. 30, by J. E. Parsons, highway comr. Herrin Twp., paving 8,900 sq.yd. Freeman Mine Rd., concrete.

Ia., Ft. Dodge—Feb. 8, by Auditor Webster Co., grading 15.976 mi. Primary Rd. Project 64, from Greene Co. Line north from Gowrie east, and from Harcourt north, 77,513 cu.yd. excav.

Minn., Faribault—Feb. 1, by F. M. Kaiseratt, aud. Rice Co., grading and building culverts, 7.5 mi. State Rds. 32 and 33, Jobs 2203 and 2204, 88,125 cu.yd. earth, 520 cu.yd. loose and 412 cu.yd. rock excav., 110,217 cu.yd. overhaul, 1,300 lin.ft. 12-24 in. concrete or corrugated metal culverts, 129,5 cu.yd. concrete, etc.; 4 mi. State Rd. 19 Job 2201, 38,723 cu.yd. earth, 703 cu.yd. loose and 8,524 cu.yd. solid rock excav., 74,526 cu.yd. overhaul, 640 lin.ft. 12-24 in. culverts, one 35 ft. beam span, 231 cu.yd. concrete, 12,325 lb. reinforcing, 19,500 lb. structural steel, etc. J. C. McElherne, Faribault, engr.

Tex., New Braunfels—Jan. 24, by C. Rocper, judge Comal Co., grading and gravel surfacing 16.62 mi. State Highway 46, Federal Aid Project 246, 40,688 c.yd. borrow, 36,397 cu.yd. roadway, 15,499 cu.yd. loose and 7,949 cu.yd. solid rock excav., 10,461 cu.yd. concrete, 87,318 lb. reinforcing steel, 14,526 cu.yd. crushed rock, 1,413 cu.yd. gravel. $106,412. J. H. Caldwell, co. engr.

Washington—Feb. 28, by State Hy. Comn., Olympia, paving 4.78 mi. Victory Way from Seattle city limits to Lake Forest Park, King Co., concrete. $260,000. J. Allen, state highway engr.

Wash., Montesano—Feb. 6, by Grays Harbor Co., grading and graveling 4 mi. Westport-Pacific Highway, 5½ mi. Porter-Oakville Rd.; graveling 6 mi. Markham-Westport Rd. H. S. Shorey, Aberdeen, engr.

California—Feb. 6, by State Hy. Dept., Sacramento, grading 5.7 mi. highway between Sierra National Forest and Briceburg, Mariposa Co. A. B. Fletcher, state highway engr.

Cal., Martinez—Feb. 6, by Supervs. Contra Costa Co., constructing 7 mi. highway from San Pablo Canyon Highway to Orinda Park, two 20 ft. strips of concrete and center strip of oiled macadam. $175,000. R. R. Arnold, surv.

Cal., San Luis Obispo—Feb. 6, by Supervs. San Luis Obispo Co., improving Rd. Dist. 5 in town of Morro, 24,043 sq.ft. grading, 24,073 sq.ft. disintegrated rock base, 1,046 lin.ft. concrete curb; 4.4 mi. Santa Margarita-Pozo Rd., 15,000 cu.yd. excav. W. B. Burch, Lowe Bldg., co. surv.

Cal., Ventura—Jan. 25, by Bd. Supervs. Ventura Co., grading and paving, Ventura Rd. from north to south city limits of Oxnard, 126,160 sq.ft. waterbound macadam, 7,885 lin.ft. grading and shaping, 1,979 cu.yd. excav. C. Petit, surv.

BIDS RECEIVED

New York—H. S. Sisson, comr. of highways, Albany opened bids Jan. 10, improving 2.75 mi. Montgomery-Bullville, Part 1, Highway 576, Orange Co., from See & Sheeky, Yonkers, $93,614, Schunnemunk Constr. Co., Highland Mills, $96,729, Armstrong & Trowbridge, Middletown, $98,657; 3.94 mi. Middleburg-Franklinton, Part 1, Highway 1572, Schoharie Co., from F. H. Wells, Savannah, $119,310, Amer. Pipe & Constr. Co., 112 North Broad St., Phila., $124,146, J. C. Haynes, Watertown, $124,704; 10.33 mi. Sharon-Sloansville, Highway 8081, Schoharie Co., from A. F. McConville, Ogdensburg, $266,755, Fulton Chain Constr. Corp., Thendara, $268,585, Horn & Devling, Main St., Galeton, Pa., $283,627. Noted Jan. 5.

Pa., Pittsburgh—Paving Blvd. of the Allies, (1) Contr. 3, (2) Contr. 9, from Hughes Foulkrod Co., Oliver Bldg., (1) $70,896; J. F. Casey Co., Union Arcade, (1) $73,275, (2) $49,990; Pitt Constr. Co., Fulton Bldg., (1) $74,200, (2) $49,200. W. F. Trimble Co., 1719 Penna Ave., (2) $50,531.

O., Akron—Summit Co. opened bids Jan. 10 grading and paving (1) 5 mi. Hudson-Richfield Rd., bituminous macadam, (2) 1 mi. Copley Rd., (a) concrete, (b) asphalt, from Metropolitan Constr. Co., Congor Ave., (1) $127,264; E. and W. McShaffrey, Rhoades Ave., (1) $137,083, (2a) $28,628; Bates & Rodgers Constr. Co., Engineers Bldg., Cleveland, (1) $137,682; T. L. McShaffrey Co., Forge St., (2a) $31,968, (2b) $30,714. Noted Dec. 29.

Tex., Georgetown—Williamson Co. opened bids Jan. 10, grading and limestone shale surfacing 7.51 mi. State Highway 36-B, from Kuykendall & Shelton, Temple, $24,429; Austin Granite Gravel Co., Scarborough Bldg., Austin, $24,676; J. R. Hawkins & Sons, Granger, $24,806. Noted Dec. 29.

Cal., Fresno—Improving Wilson Ave. between McKinley and Olive Aves., 126,732 ft. grading, 94,457 ft. 5 in. asphaltic paving, 9,708 sq. ft. concrete gutter, 4,576 concrete curb, 7,856 ft. artificial stone sidewalks, from Federal Constr. Co., Call Bldg., San Francisco, $34,356; Thompson Bros., 1514 H St., $34,868; California Rd. & St. Impvt. Co., Bank of Italy Bldg., $35,001.

Cal., Los Angeles—Bd. Supervs. Los Angeles Co., improving George St., Lucille and Alliene Aves. and part of Narboune Ave., 6,911 lin.ft. concrete curbing, 28,339 sq.ft. cement sidewalk, 4,720 cu.yd. excav. and 10,303 sq.yd. 3½ in. waterbound macadam, from J. G. Beckjord, 718 San Fernando Bldg., $25,000; E. L. Garretson & Son, 1346 Fairfax Ave. $26,997; Fleming Constr. Co. 105 North Park St. Pomona, $27,000.

CONTRACTS AWARDED

New York—H. S. Sisson, comr. of highways, Albany, improving 5.89 mi. Guilderland-Duanesburg, Part 1, Highway 8084, Albany Co., to Kellam & Shaffer Co., Maxon Rd., Schenectady, $207,665; 5.01 mi. Angelica-Canaseraga, Part 1, Highway 8083, Allegany Co., to T. F. Murray, Le Roy, $149,431; 1.33 mi. Hyde Park-East Park, Highway 1544, Dutchess Co., to C. R. Cornwall, Poughkeepsie, $44,921; 7.5 mi. Malone-Duane, Part 2, Highway 8085, Franklin Co., to W. J. Semper, 429 Dimmick St., Watertown, $232,618; 2.1 mi. Pavilion-Batavia, Part 3, Highway 8082, Genesee Co., to Brookville Concrete Eng. Co., Inc., Belfast, $62,209; 5.69 mi. Mongaup-Pond Eddy, Highway 1483, Sullivan Co., to J. J. Guinan Contg. Co., 2314 Gravesend Ave., Brooklyn, $123,813. Noted Jan. 5.

N. J., Bridgeton—Bd. Freeholders Cumberland Co. paving North Pearl St. between here and Deerfield Twp., 7,000 sq.yd. reinforced Portland cement concrete, 30,000 cu.yd. unclassified excav., etc., to Tri-State Constr. Co., 26 South Laurel St., $76,300.

W. Va., Huntington—Comrs. Cabell Co. grading and paving 1.5 mi. Kanawha and James Turnpike, concrete, to Hatfield Constr. Co., Huntington, $45,000. Noted Dec. 1.

La., Monroe—Paving Pine and Louisville Aves., asphaltic concrete, to E. J. Dees Co., Shreveport, $57,884.

Kentucky—State Rd. Dept., Frankfort, shaping and surfacing 3.6 mi. Lexington-Winchester Rd., Fayette Co., rein.-con., without shoulders, to L. Des Cognets & Co., 413 East Main St., Lexington, $105,795. Noted Jan. 12.

O., Euclid—Grading, curbing and paving Ashville, Pinehurst, Edgewater, Kenwood, Oakleigh, Woodview, Edgemore, Elbury and Edgehill Sts., brick to Gould & Maybach, 823 East 50th St., Cleveland, $201,631, Beverly Hills Dr., to F. B. Stein, Euclid, $30,571; sewers and water mains in Seabrook, Lakemont and Lamb Aves., Elsemere, Hawthorne and Cambridge Drives, to A. C. Hattendorf, 3601 6th Ave., East Cleveland, A. J. Galvin, Lennox Bldg., Cleevland, and J. B. Lyon, 1852 Rudwick Rd., Cleveland, $12,707, $14,091 and $5,933 respectively. Noted Jan. 12.

Mich., Gladwin—State Hy. Dept. at office Bd. Rd. Comrs. Gladwin Co., grading and surfacing 5.516 mi. State Trunk Line Rd. 61-1, to A. Jeffrey, 1882 Madison St., Saginaw, $43,201. Noted Dec. 29.

Mich., Jackson—State Hy. Dept. at office Bd. Rd. Comrs. Jackson Co., grading and surfacing 4.646 mi. State Trunk Line Rd. 14-27, Sect. A, to Coldwater Constr. Co., Coldwater, 54,678 cu.yd. excav., $0.35, 111.1 cu.yd. 1:2:4 concrete, $18, 212.6 cu. yd. 1:2½:5 concrete, $22, $84.4 cu.yd. 1:3:6 concrete, $16, 43,613 sq.yd. gravel, $0.45, total $53,909. Noted Dec. 29.

Ill., Elmhurst—For 60,000 sq.yd. bituminous macadam pavement, to Promger & Black, 282 Western Ave., Blue Island. Noted Nov. 17.

Wisconsin—Wisconsin Hy. Comn., Madison, approach fill and paving Sauk City Bridge, Sauk Co., to Wileman & Lipke, Edgarton, 7,000 sq.yd. concrete surfacing shipped in aggregate $1.50, 7,000 sq.yd. concrete surfacing local aggregate $1.40,

Streets and Roads (Continued)

7,000 sq.yd. concrete surfacing local sand and shipped in gravel, $1.45, etc., total $32,669. Noted Dec. 29.

Minn., Duluth—J. A. Farrell, comr., paving 3,650 ft. Roosevelt St. from 51st Ave. to 59th Ave., W., concrete, 30 ft., to S. T. Wilnamaki, c/o Engineers Office, City Hall, $30,413. Noted Jan. 5.

Mo., St. Josepah—Buchanan Co. paving 9.71 mi. Dekalb Rd., oil asphalt, to Land Constr. Co., Ballinger Bldg., $90,088. Noted Dec. 15.

Mo., St. Joseph—Buchanan Co. paving 7.44 mi. Saxton-Easton Rd., 1 course plain concrete, to Bryant Paving Co., Waterloo, Ia., $213,575. Noted Jan. 5.

Tex., Denton—Denton Co. surfacing 10.34 mi. Denton-Dallas Highway, 94,000 sq.yd. 1½ in. inverted penetration wardemite top on 3 in. waterbound macadam, to J. E. Ward, Slaughter Bldg., Dallas, $90,720. Noted Jan. 5.

Tex., Pecos—Reeves Co. grading and surfacing 26.83 mi. State Highway 27, Federal Aid Project 240, to Lee-Moor Contg. Co., Two Republics Bldg., El Paso, $88,243. Noted Jan. 5.

Wash., Montesano — Grays Harbor Co., grading and graveling 1.54 mi. Porter-Malone Rd., to A. C. Goerig, 407 17th St., N., Seattle, $40,500.

Wash., Seattle—Grading Brooklyn Ave. et al., to Stillwell Bros., 3220 9th Ave., S., $29,482. Noted Jan. 12.

Cal., Bakersfield—To T. A. Hanrahan, 1361 P St., Fresno, improving Kentucky St. between Baker and Union Sts., 162,351 sq.ft. 3½ in. asphalt concrete with 1½ in. warrenite bitulithic surface, 11,842 sq.ft. concrete gutters, 112 lin.ft. 8 in. and 1,134 lin.ft. 12 in. vitr. sewers, etc., $53,078; portions of A, B, D, E, F and G Sts., Block 800, alley in Block 447, sewers in Blocks 237, 238 and 239, 236,470 sq.ft. asphalt concrete base with 1½ in. warrenite bitulithic surface, 21,129 sq.ft. concrete gutter, 4,661 lin.ft. concrete curb, 15,350 sq.ft. concrete sidewalks, etc., $78,084.

Cal., Los Angeles—Grading and paving with warrenite bithulithic Centre St. between 7th and 18th Sts., to Warren Constr. Co., 926 California Bldg., $43,072. Noted Jan. 5.

Cal., Los Angeles—Paving York Blvd., between Pasadena Ave. and Ave. 56, 220,058 sq.ft. 2 in. asphalt on 5 in. concrete, 8,846 sq.ft. concrete gutter, 81 lin.ft. concrete curbing, 178 sq.ft. cement sidewalk, 4,720 cu.yd. excav., from G. H. Oswald, 366 East 58th St., $77,733; Fairchild-Gilmore-Wilton Co., Pacific Electric Bldg., $83,548; G. R. Curtis, 2440 East 26th St., $88,869.

Cal., San Luis Obispo—Bd. Supervs. San Luis Obispo Co. grading, concrete curbing and guttering portions of 3rd, 4th, 5th, 6th, 7th, Market, Morro, Main and C Sts., in town of Morro, to Pacific Constr. Co., 16 California St., San Francisco, $34,500. Noted Dec. 22.

Cal., San Luis Obispo—Supervs. San Luis Obispo Co., constructing Arroyo Grande-Huasna Rd., 39,800 cu.yd. excav., 400 cu.yd. concrete, 18,750 lb. reinforcing, to Sherer and Crowley, Pacific Electric Bldg., Los Angeles, $30,280. Noted Dec. 15.

Cal., Stockton — Improving streets in Lakepark Addition, also streets in City Park and Lakeside Terraces, to Moreing Bros., Commercial and Savings Bank Bldg., $80,925 and $54,490 respectively. Noted Jan. 12.

Cal., Stockton—Supervs. San Joaquin Co., gravel surfacing Taison Rd., to C. O. Holden, 433 East Locust St., Lodi, $11,183; improving Seavey Rd. and French Camp Rd., to J. E. Johnson, 315 Savings & Loan Bank Bldg., $33,105 and $53,071 respectively. Noted Nov. 3.

Industrial Works

PROPOSED WORK

Me., Portland—Cumberland County Power & Light Co., plans power plant on old Dry Dock, South Portland. $500,000. Architect not selected.

N. Y., Dunkirk—See "Waterworks."

N. Y., New York—Tunnel Garage, c/o G. L. Stevers, pres., 2 Charlton St., having sketches made brick, steel and concrete garage, plain foundation, Broome and Thompson Sts. $75,000. Private plans.

Pa., Altoona—W. S. Aaron, 1428 11th Ave., plans 3 story, 75 x 110 ft. warehouse and store, 12th Ave. $150,000.

Pa., Harrisburg—E. R. Gelsinger plans 2 story, 50 x 100 ft. rein-con. and steel garage, 28th and Main Sts. $50,000.

Pa., Wellsboro — Pennsylvania Textile Co. soon lets contract 50 x 250 ft. rein.-con., brick and steel mill, plain foundation. $300,000. Scott & Prescott, 34 East 23rd St., New York, archts. and engrs.

Md., Bridewell (Jessups P. O.)—Maryland House of Correction, State Bd. of Prison Control, Union Trust Bldg., Balti-

CEMENT—WISCONSIN

Bids were opened Jan. 10, by State Highway Comn., Madison, for cement for Federal-Aid Construction, from (A) Universal Portland Cement Co., 210 South LaSalle St., Chicago; (B) Lehigh Portland Cement Co., Conway Bldg., Chicago; (C) Sandusky Cement Co., Engineers Bldg., Cleveland; (D) Alpha Portland Cement Co., 140 South Dearborn St., Chicago. Price per barrel delivered, including charge for bags (40c. per bbl.). Discount of 10c. per barrel allowed for payment within ten days from date of invoice. The unit bids of the principal four bidders were as follows:

Federal Aid Project No.	Destination	Barrels	A	Freight from Mill	B	Freight from Mill	C	Freight from Mill	D	Freight from Mill
271	Abrams	294	$0 59	$2 59	$0 65	$2 60	$0 65		$0 65	$2 60
279	Adams	241	59	2 59	59	2 59	59	2 59	59	2 59
304	Allenton	17,500	51	2 51	57	2 52	53	2 51	57	2 52
270	Alma	1,600	59s	2 64	.53m	2 64	61	2 64	61	2 64
294	Aniwa	180	61	2 61	65	2 61	65	2 61	65	2 61
277	Arcadia	600	61s	2 66	.53m	2 66	61	2 66	67	2 66
319	Argyle	540	55	2 55	51	2 55	45	2 55	51	2 55
322	Ashland	350	42s	2 47		2 73				
325	Bayfield	900	44s	2 49		2 77				
138	Bear Creek	8,492	57	2 57	61	2 57	59	2 57	61	2 57
221	Belmont	1,030	53	2 53	51	2 53	45	2 53	51	2 53
315	Beloit	10,650	45	2 46	46	2 46	42	2 46	46	2 46
294	Birnamwood	306	61	2 61	65	2 61	65	2 61	65	2 61
214	Black River Falls	300	59s	2 61	.57m	2 61	59	2 61		2 61
300	Black River Falls	500	59s	2 61	57m	2 61	59	2 61	65	2 61
314	Blue Mounds	230	53	2 53	55	2 53	51	2 53	55	2 53
321	Boscobel	610	57	2 57	.53m	2 57	53	2 57	59	2 57
	Boscobel	435	57	2 57	.53m	2 57	53	2 57	59	2 57
141	Boscobel	145	57	2 57	53m	2 57	53	2 57	59	2 57
318	Bridgeport	600	59	2 59	49m	2 59	53	2 59	57	2 59
106	Bridgeport	750	59	2 59	49m	2 59	53	2 59	57	2 59
285	Brown Deer	7,200	49	2 49	57	2 52	53	2 49	57	2 52
264	Cameron	700	46s	2 51	.59m	2 67	67		72	
287	Carter	286		2 65		2 65		2 65		2 65
138	Clintonville	7,000	58	2 57	61	2 57	59	2 57	61	2 57
283	Colonia	270	59	2 59	59	2 59	57	2 59	59	2 59
299	Cornell	1,239	51s	2 56	.61m	2 63	67		68	
263	Couderay	1,500	51s	2 56	74	2 69				
320	Darlington	300	51	2 51	49	2 51	43	2 51	49	2 51
313	Deerfield	600	51	2 51	51	2 51	48	2 51	51	2 51
180	Dodgeville	165	55	2 55	53	2 55	48	2 55	53	2 55
306	Durand	115	57s	2 62	.57m	2 62	65	2 62	67	2 62
289	Durand	195	57s	2 62	57m	2 62	65	2 62	67	2 62
234	Ellsworth	270	57s	2 62	57m	2 62	72		74	
267	Ellsworth	473	57s	2 62	57m	2 62	72		74	
307	Ellsworth	417	57s	2 62	57m	2 62	72		74	
308	Ellsworth	420	57s	2 62	57m	2 62	72		74	
292	Elton	151		2 61		2 62		2 65		2 65
268	Exeland	500	46s	2 51		2 67				
317	Fennimore	340	57	2 57	57	2 57	53	2 57	57	2 57
206	Florence	590	65s	2 67	72	2 67	72		72	2 67
265	Frederic	750	46s	2 51	57m	2 75				
187	Grand View	400	43s	2 49		2 75				
285	Granville	10,300	48	2 48	53	2 48	53		53	2 48
	Gratiot	420	51	2 51	49	2 51	42	2 51	49	2 51
223	Gilbert	173	57s	2 62	68	2 63			68	2 63
272	Gillett	206	59	2 59	65	2 60	61		65	2 60
307	Hager City	342	57s	2 62	57	2 62	68		68	2 63
309	Hammond	270	53s	2 58	.53m	2 58	68		74	
189"B"	Holcombe	658	51s	2 56	61m	2 63				
302	Humbird	586	57s	2 61	61m	2 61	65	2 61	65	2 61
303	Humbird	439	57s	2 61	61m	2 61	65	2 61	65	2 61
223	Irma	345	57s	2 62	.67m	2 63	67		68	2 63
215	Jefferson	5,200	51	2 51	51	2 51	48	2 51	51	2 51
152	Knapp	260	57s	2 62	.57m	2 62				
293	Koepenick	231		2 64		2 64		2 64		2 64
313	London	3,100	51	2 51	51	2 51	47	2 51	51	2 51
259	Mariuette	8,350	61	2 61	67	2 62	65	2 61	67	2 62
280	Mauston	198	57	2 57	59	2 57	53	2 57	59	2 57
311	Medford	834	53s	2 58	68	2 63			68	2 63
310	Medford	144	53s	2 58	68	2 63			68	2 63
269	Medina	16,950	57	2 57	59	2 57	57	2 57	59	2 57
152	Menomonie Jct.	795	57s	2 62	.57m	2 62	67	2 62	68	2 63
327	Minong	600		2 47		2 69				
214	Millston	300	59s	2 61	.57m	2 61	59	2 61	65	2 61
180	Mineral Point	370	53	2 53	49	2 53	44	2 53	49	2 53
	Mineral Point	300	53	2 53	49	2 53	44	2 53	49	2 53
314	Mt. Horeb	400	53	2 53	55	2 53	51	2 53	55	2 53
280	New Lisbon	300	57	2 57	57m	2 57	53	2 57	59	2 57
323	Odonah	1,200	44s	2 49		2 73				
178	Odonah	400	44s	2 49		2 73				
297	Ogema	285	34s	2 58	68	2 63			68	2 63
305	Osseo	345	59s	2 64	.65m	2 64	65	2 64	67	2 64
259	Peshtigo	7,000	59	2 59	65	2 60	65		65	2 60
312	Portage	600	53	2 53	53	2 53	49	2 53	53	2 53
239	Readstown	1,350	61	2 61	.59m	2 61	59	2 63	61	2 61
243	Reedsburg	1,000	57	2 57	57	2 57	51	2 57	57	2 57
239	Richland Center	490	57	2 57	.57m	2 57	51	2 57	59	2 57
274	Sawyer	6,980	61	2 61	67	2 62	67		67	2 62
304	Schleisingerville	10,300	49	2 49	53	2 49	53	2 51	53	2 49
273	South Madison	8,000	51	2 51	51	2 51	51	2 51	51	2 51
256	Sparta	600	59	2 59	.53m	2 59	59	2 59	61	2 59
298	Stanley	144	51s	2 56	.65m	2 62	65			
301	Stanley	443	51s	2 56	.65m	2 62	65			
	Sturgeon Bay	10,008	61	2 61	67	2 62	67		67	2 62
288	Theresa	9,700	51	2 51	57	2 52	53	2 51	57	2 52
291	Thorp	144	51s	2 56	.65m	2 62	65		67	
284	Vesper	12,000	57s	2 61	59m	2 61	59	2 61	65	2 61
136	Viroqua	10,700	65	2 65	57m	2 65	59	2 65	61	2 65
316	WauKesha	12,000	48	2 48	53	2 48	51	2 48	53	2 48
281	Wausau	13,530	59s	2 61	61m	2 61	65	2 61	65	2 61
329	Wauwatosa	12,600	48	2 48	53	2 48	53		53	2 48
106	Wauzeka	750	57	2 57	49m	2 57	53	2 57	57	2 57
286	West Allis	19,500	48	2 48	53	2 48	53		53	2 48
276	Westby	200	61	2 61	57m	2 61	59	2 61	61	2 61
326	Weyerhauser	700	49s	2 54		2 67				
282	Woodruff	635	53s	2 58		2 67				

s = Steelton Mill. m = Mason City Mill.

Industrial Works (Continued)

more, having plans prepared by T. W. Pietsch, archt., Amer. Bldg., Baltimore, 2 story, 45 x 150 ft. shop, brick, here. $40,000.

W. Va., Morgantown—R. A. Wilbourne Co. soon lets contract 3 story, 36 x 160 ft., addition to ice cream plant. $55,000. C. Reger, Traction Bldg., archt.

O., Cleveland — Stahly Auto Body & Wagon Co., 5366 St. Clair Ave., having plans prepared rebuilding 2 story, 46 x 110 ft., brick and timber factory, plain foundation. $40,000. Private plans.

O., Columbus—Franklin Builders Supply & Coal Co., 400 West Broad St., having plans prepared by Bassett & Tressel, archts., Central Natl. Bank Bldg., 3 story, 60 x 160 ft., brick and concrete warehouse, West Broad St. $100,000.

Ind., Bloomington—Bloomington Brick and Tile Co. plans plant, incl. twelve 32 ft. kilns, 2 radial brick stacks, etc. $200,000. Private plans.

Ind., Indianapolis—Bd. Sanitary Comrs., City Hall, plans rein.-con., brick and steel power plant. $300,000. C. H. Hurd, 1405 Merchants Bank Bldg., engr.

Ind., Indianapolis—Taggart Baking Co., 333 East Market St., having plans prepared by D. A. Bohlen & Son, archts., 1001 Majestic Bldg., 2 story 80 x 200 ft., brick warehouse, 23rd St. $150,000.

Ind., Rochester—Armour & Co., 208 South La Salle St., Chicago, having plans prepared 2 story, 100 x 150 ft. packing plant, brick and concrete, here, $75,000. Private plans.

Wis., Hartford—Gehl Bros. Monument Co. completing plans 2 story, 42 x 106 ft., brick, rein.-con., steel, marble and stone factory, plain foundation, North Main St. $65,000. Private plans.

Wis., Milwaukee—Lincoln Warehouse & Van Co., 226 4th St., plans 5 or 6 story, rein.-con. and brick storage warehouse, plain foundation, 3rd and Prairie Sts. $250,000. Architect not selected.

Wis., Milwaukee—Phoenix Knitting Co., 208 Bway., having plans prepared by Lockwood, Greene & Co., engrs. and archts., 38 South Dearborn St., Chicago, 6 story, 120 x 180 ft., dye works and finishing plant, rein.-con. and brick, plain and wood pile foundation, Milwaukee St. Cost between $300,000 and $400,000.

Wis., Sheboygan—H. C. Prange Co., 8th St. and Wisconsin Ave., having plans prepared by W. C. Weeks, archt., 720 Ontario Ave., 3 or 4 story, 60 x 110 ft., brick and steel power and heating plant, plain foundation, and 120 ft. radial stack, 8th St. $150,000. Noted Jan. 12.

Wis., Plymouth—Badger Cabinet Co. plans 2 story, 60 x 135 ft. brick and rein.-con. factory, plain foundation. $50,000. G. W. Brickbauer, pres. Architect not selected.

Wis., Stevens Point—Buick Sales Room, 119 Strongs Ave., plans 1 story, 70 x 125 ft., brick and concrete garage, plain foundation, Main St. $40,000. Architect not selected.

Wis., Verona—Dane Co. Bd., c/o M. Sommers, 512 West Wilson St., Madison, having plans prepared by A. D. Conover, archt., Tenney Blk., Madison, 1 story, 45 x 50 ft., brick, rein.-con. and steel power house, plain foundation, here. $40,000.

Mont., Miles City — Western Creamery Co., 1215 Main St., plans brick and concrete creamery. $100,000. F. R. Merrill, mgr. Architect not announced.

Wash., Seattle—Genl. Petroleum Corp., White Bldg., plans additions to oil station and terminal, on Harbor Island, here. $100,000.

Cal., Los Angeles—Westinghouse Mfg. Co., Van Nuys Bldg., having plans prepared by Noernberg & Johnson, archts., Los Angeles Ry. Bldg., 6 story, 170 x 239 ft., rein.-con. and terra cotta warehouse, 5th and San Pedro Sts. $700,000.

Cal., San Diego—San Diego Consolidated Gas & Electric Co., Timken Bldg., plans to increase horsepower of generating department from 24,000 to 44,000. Other improvements include extension of gas mains and pole lines thrughout city and county. $1,500,000 has been set aside for 1922 improvements and extensions. H. H. Jones, pres. and genl. mgr.

Cal., San Francisco—W. P. Fuller & Co., Beale and Mission Sts., having plans prepared by G. A. Applegarth, archt., Claus Spreckels Bldg. 5 story brick and concrete warehouse and loft, adjoining present structure.

Ont., Welland—Welland Machine & Fdry. Co. plans addition to plant. L. R. Weeks Eng. Co., Erie, Pa., engrs.

BIDS DESIRED

Conn., Southington—Peck, Stow & Wilcox Co., Railroad Sq., receiving bids 1 story, 67 x 180 ft. hardening building, 2 story, 56 x 156 ft. grinding building and 1 story, 59 x 100 ft. forge plant addition, brick and steel, plain foundations, Railroad Sq. $225,000. Private plans. Noted Jan. 5.

Conn., Wallingford—Lockwood, Greene & Co., engrs. and archts., 101 Park Ave., New York, receiving bids 5 story, 80 x 100 ft., brick and concrete addition to plant, Cherry St., for H. L. Judd & Co., 42 South Cherry St., $100,000. Noted Aug. 23.

N. Y., New York—W. M. W. Realty Corp., 116 West 39th St., 2 story, 100 x 100 ft., brick, steel and concrete garage, plain foundation, 841 10th Ave. $65,000. Work will be done by separate contracts. Springsteen & Goldhammer, 32 Union Sq., archts. and engrs.

Pa., Harrisburg—United Ice & Coal Co., Forster and Cowden Sts., taking bids one 100 ton ice plant, three 5,000 ton storage houses, two on 7th and Schuylkill Sts. and one on Forster and Cowden Sts., rein.-con. and brick. $150,000.

Pa., Phila.—Feb. 1, by J. Feldman, Lincoln Bldg., 1 story, 60 x 120 ft. rein.-con., brick and steel garage, plain foundation, 119 Wildey St. $40,000. I. W. Levine, Liberty Bldg., archt.

Pa., Phila.—Feb. 15, by C. E. Wunder, archt., 1415 Locust St., 2 story, brick and timber factory, plain foundation, Delaware Ave. and Dickenson St, for Morrice Twine Mills, 84 Tasker St.

Md., Baltimore—M. N. Tumbler, Wolf Bldg., receiving bids 1 story, brick garage, 2567 Pennsylvania Ave., $40,000. W. J. Degenhardt, 917 East Preston St., archt.

Md., Baltimore—Wilson Nash Motors Co., 134 West Mt. Royal Ave., receiving bids 1 story, 120 x 150 ft., brick garage, Maryland Ave. and Oliver St. Owens & Sisco, Continental Bldg., archts. H. F. Beelmann, 507 North Charles St., and C. L. Reeder, 200 West Saratoga St., engrs.

Ky., Louisville—Jan. 30, by Graham, Anderson, Probst & White, archts., 80 East Jackson Blvd., Chicago, 13 story, 200 x 200 ft., rein.-con., steel and brick warehouse, 1st and Main Sts., for Belknap Hardware & Mfg. Co., 2nd and Washington Sts. $1,500,000. Noted Jan. 12.

Mich., Escanaba—Feb. 1, by Woverine Delta Motor Co., superstructure for 1 or 2 story, 100 x 140 ft. rein.-con. and brick garage. $60,000. Hubert & Nelson, Menominee, archts.

CONTRACTS AWARDED

Mass., Cambridge—C. B. Moller, Inc., Main St., 5 story, 50 x 180 ft., rein.-con. warehouse, Main St., to Turner Constr. Co., 178 Tremont St., Boston, $100,000. Noted Dec. 22.

N. Y., Rochester—Hickey-Freeman Co., Clinton Ave. N. and Ave. D, 5 story, 60 x 160 ft., brick and steel factory addition, masonry work to Gorsline & Swan, 243 Powers Bldg.; carpentry to J. Luther & Sons, Stillson St.; steel to Genesee Bridge Co., 666 Plymouth Ave. S. Total $100,000.

Pa., Pittsburgh—Standard Sanitary Mfg. Co., Preble Ave., 1 story, 117 x 130 ft. factory, Preble Ave., to B. A. Groah Constr. Co., 847 West North Ave.; structural steel to Des Moines Bridge & Iron Wks., Curry Bldg.

O., Cleveland—C. Brezina, 12402 Oakfield Ave., 2 story, 40 x 72 ft., brick and timber garage, apartment and commercial building, plain foundation, 3729 East 131st St., by day labor. $40,000. J. Talas, 3541 East 118th St., archt.

O., Cleveland—W. Lintern, 8404 Lorain Ave., 1 story, 60 x 64 ft., brick and timber factory, plain foundation, 7966 Lorain Ave., to Austin Co., 16112 Euclid Ave., $40,000.

Ill., Clearing—Railways Ice Co. 209 South La Salle St., Chicago, 2 story, 100 x 150 ft. factory, rein.-con., brick and steel, here, to E. W. Sproul Co., 2001 Pershing Rd., Chicago, $120,000.

Wis., Milwaukee—T. C. Esser Co., 3402 North Ave., will build 3 story, brick and timber warehouse, 34th St., by day labor. $40,000.

Wis., Milwaukee—Harsh-Chapline Shoe Co., 694 Hanover St., 7 story, 78 x 160 ft., brick and steel, and 2 story, 30 x 110 ft., brick and mill construction factories, plain foundations, Reed St., to P. Riesens Sons, 1018 Humboldt Ave.; steel, to Lakeside Bridge & Steel Co., North Milwaukee. Total $175,000.

Wis., Sheboygan—Verhulst Bros. Co., Erie Ave., will build 2 story, 48 x 70 ft., rein.-con. and brick plant, plain foundation, Calumet St., by day labor. $45,000.

Mo., Cape Girardeau — International Shoe Co., 15th and Washington Sts., St. Louis, 3 story, rein.-con. and steel factory, here, to J. W. Gerhardt, Cape Girardeau, $100,000. Noted Dec. 15.

Cal., Los Angeles—Bedell & Ogg Laundry Co., 1 story, 110 x 120 ft. laundry, concrete, brick and steel, plain foundation, to Austin Co., 16112 Euclid Ave., Cleveland, O., $50,000.

Cal., Santa Ana—Excelsior Dairy Co., 1 story, 60 x 240 ft., brick and steel factory and storage plant, to Austin Co., 16112 Euclid Ave., Cleveland, O., $50,000.

Buildings

PROPOSED WORK

Mass., Boston — Mercantile — Decatur & Hopkins Co., 124 High St., having plans prepared by Monks & Johnson, engrs., 99 Chauncy St., 3 story, 80 x 180 ft., rein.-con., Berkely St. $150,000.

Mass., Chicopee—Church—Church of the Assumption, 104 Springfield St., having plans prepared by G. P. Dion, archt., 30 Church St., 1 story, brick, stone and steel, Springfield and Chapman Sts. $200,000. Noted Apr. 21.

Mass., Ware—School—School Comrs. plan 2½ story, brick and steel, Walnut St. $150,000. Architect not selected.

Conn., Bloomfield — Community — Community House Com. plans 2 story, brick and steel. $150,000. M. J. Bradley, Jerome Ave., chn. Architect not selected.

Conn., Hartford — Hospital — Hartford Hospital 20 Hudson St., having revised plans prepared by C. J. Malmfeldt, archt., 206 Trumbull St., 7 story, 50 x 160 ft., rein.-con., brick and steel, Hudson St. $500,000. Noted Aug. 18.

Conn., New London—Hotel—J. Sigal, 877 Main St., Hartford, having sketches made by L. H. Coddard, archt., 86 State St., 4 story, brick and steel, Ocean Beach, here. $150,000.

Conn., Stratford—School and Hall—St. James Roman Catholic Parish, 2110 Main St., plans 2 story, brick and steel, Main St., $150,000. Architect not selected.

Conn., Waterbury—Church—Church of the Immaculate Conception, 97 East Main St., having plans prepared by J. A. Jackson, archt., 185 Church St., New Haven, 1 story, 70 x 190 ft., stone and brick, East Main St. $150,000.

Conn., Waterbury—Y. M. C. A., 136 West Main St., having plans prepared by R. H. Dana, Jr., archt., 311 Madison Ave., New York, 4 story, brick steel and concrete, West Main St. $400,000. Noted Oct. 6.

Conn., Waterville — Church — St. Paul's Episcopal Church plans brick church and parish house. $150,000. Architect not selected.

N. Y., Brooklyn—Apartment—M. Risenberg, c/o Shampan & Shampan, archts. and engrs., 50 Court St., soon takes bids 4 story, brick, steel and stone, plain foundation, Albany Ave. and Crown St. $150,000.

N. Y., New York—Apartment—A. Campagna, c/o R. Candela, archt. and engr., 200 West 72nd St., having plans prepared 15 story, brick, steel and stone, plain foundation, Bway. and 92nd St. $1,500,000.

N. Y., New York—Apartment—One Forty One West 71st Street Corp., c/o Schwartz & Gross., archts and engrs., 347 5th Ave., soon takes bids 9 story, brick, steel and stone, plain foundation, 139 West 71st St. $650,000.

N. Y., New York—Hotel—H. Claman, 241 West 43rd St., having sketches made 15 story, brick, steel and stone, plain foundation, 8th Ave. and 43rd St. Private plans.

Pa., Erie — Mosque—Zem Zem Temple, Ancient Nobles of Mystic Shrine plan mosque on 34th and State Sts. $350,000. Architect not selected.

Pa., Phila.—College—Franklin Institute, c/o D. Clark, 15 South 7th St., plans 5 story, rein.-con., brick and steel, plain foundation, 19th and Race Sts. and Parkway. $275,000. J. T. Windrim, Commonwealth Bldg., archt.

Pa., Phila.—Office and Store—A. M. Greenfield & Co., 15th and Chestnut Sts., having preliminary plans prepared by Hoffman-Henon Co., archts., Finance Bldg., 18 story, 80 x 140 ft. rein.-con., brick and steel, plain foundation, 15th and Chestnut Sts. $1,000,000.

Pa., Pittsburgh—Clubhouse—Y. M. H. A., 3431 Forbes St., having plans prepared by B. Janssen, archt., 800 Century Bldg., 2 story, 124 x 215 ft. brick and steel, Dethridge Ave. $400,000.

Buildings (Continued)

Pa., Rankin — School—Bd. Educ. plans addition to school, Kenmour Ave. F. McC. Crooks, 541 3rd Ave., Pittsburgh, archt. Noted Jan. 12.

Pa., Williamsport—Y. M. C. A., 343 West 4th St., and Thomas, Martin & Kilpatrick, archts., 130 South 15th St., Phila., will take bids either Jan. 25 or Feb. 1, 4 story, 108 x 154 ft. rein.-con. and brick, 4th and Elmira Sts. $250,000. Noted Sept. 8.

Md., Baltimore—Store and Apartment—N. J. Myerberg, 210 North Calvert St., having plans prepared by F. E. Beall, archt., 307 St. Paul St., 4 story, 60 x 80 ft., brick, 25th and Charles Sts. $300,000.

Va., Charlottesville — Gymnasium — F. Kimball archt., University, will take bids in February, 3 story, 100 x 320 ft. steel, brick and concrete, plain foundation, for University of Virginia, here. $250,000.

Va., Norfolk—Market—City soon takes bids 3 story, 100 x 300 ft., brick and concrete, plain foundation, entire block between Monticello Ave., Market, Brewer, Tazewell Sts. $350,000. B. F. Mitchell, Seaboard Bank Bldg., archt.

N. C., Rockingham—Court House—Richmond Co. plans brick, concrete and stone. $150,000. J. C. Reynolds, ch. C. C. Hook, Trust Bldg., Charlotte, archt.

Fla., Orlando—Court House—To vote on $162,500 bonds for rein.-con., steel and brick. $137,500 available from sale of old court house. M. S. King, Orlando, archt.

La., Baton Rouge—Agricultural College—State having sketches made by Ormsted Bros., archts., Brookline, Mass., and Walker & Gillette, associated archts., 128 East 37th St., New York, for several buildings here, to be known as Greater Agricultural College of Louisiana. $10,000,000.

O., Cleveland—Commercial and Office—K. V. Painter, c/o W. J. Van Aken, 6523 Euclid Ave., having plans prepared 6 story, 80 x 210 ft., brick, steel and concrete, plain foundation, 2537 Euclid Ave. $500,000. Architects name withheld.

O., Cleveland — School — St. Stephans Church, 1930 West 54th St., having plans prepared by E. J. Schneider, archt., 511 Natl. Commercial Bank Bldg., 3 story, brick, steel and concrete, plain foundation, 1924 West 54th St. $150,000. J. Gertez, pastor.

O., Cleveland—Temple—Lorain Ave. Masonic Temple Co. c/o J. Lyons 321 Frankfort Ave. plans 3 story brick, steel and concrete, plain foundation, Lorain Ave. near West 95th St. $200,000. Architect not selected.

O., Conneaut—High School—Bd. Educ. takes bids in spring 1 story, 250 x 300 ft., concrete, brick and steel. $300,000. Former bids rejected. Bartholomew, McCullough & Smith, Ferguson Bldg., Pittsburgh, Pa., archts. Noted June 9.

Indiana—Reformatory—Trustees of State Reformatory and Gov. McCray, State House, Indianapolis, plan to purchase site for rein.-con., brick, stone and steel. $900,000. H. Foltz, 847 Lemcke Annex, Indianapolis, archt.

Ind., Anderson—Hotel—Stock Co. plans brick. $150,000. N. W. McCullough, pres. W. E. Russ, Meridian Life Bldg., Indianapolis, archt.

Ind., Indianapolis — Apartment — H. N. Maloney Apartment Co., c/o J. E. Salie, archt., 519-20 Empire Bldg., Birmingham, Ala., soon lets contract 3 story, 197 x 235 ft., brick, stucco and hollow tile, 34th and Meridian Sts. $350,000. H. Coonse, c/o Coonse & Caylor Co., 71 South Tuxedo St., pres. Noted Dec. 29.

Ind., Indianapolis — Club—Indianapolis Democratic Club, 22 East Vermont St., plans 12 story, rein.-con., brick, stone and steel. $1,000,000. T. E. Garvin, secy. J. E. Kopf & Wooling, 402 Ind. Pythian Bldg., archts.

Ind., Indianapolis — Office — Postal Station Bldg. Co., c/o City Trust Co., having plans prepared by F. Cannon, archt., 21 Virginia Ave., 8 story, 107 x 151 ft., rein.-con., brick and steel, Illinois and South Sts. $800,000.

Ind., Marion—Church—First Methodist Episcopal Church having revised plans prepared by M. Dunning, archt., 304 South Wabash Ave., Chicago, 2 story, 160 x 200 ft., brick and stone, Adams St. $250,000. Noted May 12.

Ind., Marion—High School—Bd. Educ. having plans prepared by H. G. Bowstead, archt., 410 Glass Bldg., 2 story, 170 x 217 ft., brick, 35th St. east of Carey St. $300,000.

Ind., Marion—Hotel—Stock Co. plans 8 story, 60 x 60 ft. brick and steel. $150,000. c/o R. J. Spencer, **Marion.** Architect not selected.

Ind., Richmond—Bank—First Natl. Bank having plans prepared by H. H. Hiestand, archt., Eaton, O., 2 story, 35 x 114 ft., brick and stone, 7th and Main Sts. $150,000.

Mich., Ecorse—School—Bd. Educ. having plans prepared by J. G. Kastler Co., archts., 523 Detroit Savings Bank Bldg., 2 story, rein.-con., brick and steel, plain foundation. $150,000.

Mich., Farmington — Hospital-School — Michigan Hospital School, 506 Congress Bldg., Detroit, had plans prepared by A. Kahn, archt., Marquette Bldg., Detroit, 3 story, concrete, brick and steel, plain foundation, Grand River Ave. $250,000.

Ill., Chicago—Bank, Store and Office—Michaelsen & Rognstad, archts., 3815 West Congress St., preparing plans and soon take bids 5 story, 240 x 240 ft., rein.-con., brick and steel, Milwaukee Ave. and Irving Park Blvd., for E. Benson and J. Marling, c/o architects. $400,000.

Ill., Chicago—Hospital—Illinois General Hospital, c/o E. Grossman, archt., 127 North Dearborn St., plans group of buildings, rein.-con., brick and steel, 460 East 32nd St. $2,500,000.

Ill., Chicago—Memorial—Elks Lodge, c/o J. F. Fanning, chn. memorial comn., Congress Hotel, plans rein.-con. and steel marble or bedford stone exterior, Lakeview Ave. and Diversey Parkway. $3,000,000. Architect will be selected by national competition.

Ill., Evanston—Apartment—Hotel—V. C. Carlson, archt. and owner, plans 7 story, 120 x 211 ft., rein.-con., brick and steel, Orrington Ave. and Church St. $1,500,000.

Ill., Effingham—Hotel—Stock Corp., c/o J. W Cravenhorst, secy., plans 4 story, steel brick and rein.-con. $150,000. Architect not selected.

Wis., Cleveland — Church — E. A. Juul, archt., Imig Bldg., Sheboygan, opens bids about Feb. 10, 2 story, 70 x 104 ft., brick, rein.-con. and tile, Main St., for Lutheran Church, W. Toepel, chn. $150,000. Noted Feb. 10.

Wis., Kewaskum — High School—Bd. Educ., c/o E. Hausmann, secy., plans 4 story, 60 x 200 ft., rein.-con., brick and steel. $160,000. Architect not selected.

Wis., Madison—Apartment Hotel—Gay Bldg. Co. having plans prepared by Bolch & Lippert archts., Gay Bldg., 5 story, 50 x 115 ft. brick and rein.-con. plain foundation. $150,000.

Wis., Milwaukee—Church and Sunday School—A. Dohmen, archt., 68 Wisconsin St., opens bids about Feb. 1, 1 and 2 story, 50 x 70 ft. and 50 x 120 ft. brick and stone, plain foundation, Layton Blvd., for English Lutheran Church of the Ascension, 1168½ 25th Ave. $150,000.

Wis., Milwaukee—Club—Milwaukee Elks Lodge 46, 448 Jefferson St., having plans prepared by R. Messmer & Bros., archts., 221 Grand Ave., 5 story, 130 x 160 ft., brick and concrete, plain foundation, Marshall and Mason Sts. $500,000. Noted Nov. 17.

Wis., Racine—Hotel—I. Friedman, 507 Main St., having preliminary plans prepared by E. B. Funston Co., archt. and engrs., Robinson Bldg., 7 and 8 story, 80 x 120 x 145 ft., brick, concrete and steel, plain foundation, Lake Ave., 5th St. and Monument Sq. $300,000 to $500,000.

Minn., Minneapolis—Apartment—H. Zinman, 2017 Aldrich Ave., S., having plans prepared by A. Rose, archt., 500 Builders Exch. Bldg., 3 story, 125 x 140 ft., rein.-con., brick, tile and stone, 125 Oak Grove St. $150,000.

Minn., Minneapolis — Engineering—State Bd. Control, Capitol, St. Paul, having plans prepared by C. L. Pillsbury Co., engrs., 1200 2nd Ave., S., and C. H. Johnson, archt., 715 Capitol Bank Bldg., St. Paul, 3 story, electrical engineering building, rein.-con., brick, tile and stone, at State University, here. $300,000.

Kan., Cherryvale — High School — Bd. Educ. plans election to vote on $150,000 bonds for high school. J. H. Felt & Co., 800 Grand Ave. Temple, Kansas City, Mo., archts.

Kan., Salina—Church—First Presbyterian Church having plans prepared by C. W. Shaver, archt., Salina, 1 story, stone, brick, steel and rein.-con., West Mulberry St. $150,000. W. Muir, chn. building com.

Kan., Wichita—Office—Whalen & Reiff, 601 Schweiter Bldg., having plans prepared by U. G. Charles & Co., archts., 601 Schweiter Bldg., 10 story, 112 x 140 ft., Market and 1st Sts. $900,000.

Kan., Winfield — Athletic — Southwestern College having plans prepared by H. S. Conrow, archt., 142 North Lawrence Ave., Wichita, 3 story 160 x 170 ft., on campus. $175,000.

Ariz., Phoenix—Store and Office—W. C. Ellis, 1242 North Central Ave., having plans prepared by Milwaukee Bldg. Co., archts., 315 Wright and Callender Bldg., Los Angeles, Cal., 5 story, 98 x 100 ft., rein.-con., brick, terra cotta and tile, 2nd and Monroe Sts. $300,000.

Cal., Berkeley—School—Pacific School of Religion having plans prepared by W. H. Ratcliff, Jr., archt., 1st Natl Bank Bldg., 3 story, College Ave. $1,000,000. First unit, bids for which will be asked on completion of plans, $100,000. W. F. Bade, 2223 Atherton St., dean.

Cal., Long Beach—Hotel—Park View Land Co. having plans prepared by L. L. Smith, archt., 804 Higgins Bldg., Los Angeles, 12 story, 134 x 136 ft., rein.-con., brick, terra cotta, marble and tile, Ocean Ave., opposite Municipal Park. $800,000.

Cal., Los Angeles—Museum and Art—Bd. Supervs. Los Angeles Co. having plans prepared 3 story, 100 x 197 ft., 2 story, 46 x 112 ft. and 1 story, 68 x 88 ft. buildings, brick, steel and terra cotta, in Exposition Park. $400,000. W. Davidson, co. mechanical engr.

Cal., Los Angeles—Store and Loft—Eastern Outfitting Co., 620 South Main St., having plans prepared by Milwaukee Bldg. Co., archts., 315 Wright and Callender Bldg., 6 story, 115 x 165 ft., rein.-con., brick and terra cotta, 9th St. and Bway. $500,000.

Cal., San Francisco — Hospital—Chinese Six Co. soon takes bids 4 story, rein.-con., Trenton St. near Jackson St. O'Brien Bros., Inc., 240 Montgomery St., archts.

Ont., Kitchener — City Hall — Having plans prepared by W. H. E. Schmalz, archt., 288 Frederick St., 2 story, rein.-con., brick, steel and stone. $250,000. Noted Jan. 12.

Ont., Windsor — Hospital — City plans rein.-con., brick and steel hospital. $600,000. Architect not selected.

BIDS DESIRED

Mass. Boston — Mercantile — Jan. 25, by Blackall, Clapp & Whittemore, archts., 20 Beacon St., 5 story, 105 x 144 ft., rein.-con. and brick, Harrison Ave., for Blodgett, Ordway & Webber, 100 Kingston St. $250,000.

Mass., Quincy—High School—Jan. 23, by School Bd., 3 and 4 story, 252 x 330 ft brick and stone, Coddington St. $750,000. Cram & Ferguson, 248 Boylston St., Boston, archts. Noted Sept. 1.

Conn., Hartford — Apartment, etc. — Herchman & Levine, 223 Main St., receiving bids 4 story, 75 x 120 ft., brick and steel, plain foundation, Main St. $150,000. F. C. Walz, 407 Trumbull St., archt.

N. Y., Lyons—School—Feb. 1, by Bd. Educ., Lyons Union School, 2 and 3 story, 194 x 244 ft., brick and steel, Williams St. $300,000. C. A. Ade, 344 East Ave., Rochester, archt. Noted Jan. 12.

N. Y., New York—Apartment—Alta-Vista Holding Co., Inc. c/o Rouse & Goldstone, archts. and engrs., 512 5th Ave., brick, steel and stone, plain foundation, East 81st St. $200,000. Work will be done by separate contracts under supervision of architects.

N. Y., New York—Apartment—S. & L. Building Co., c/o Margon & Glaser, archts. and engrs., 2806 3rd Ave., 9 story, brick, steel and stone, plain foundation, Kingsbridge Rd. and Grand Concourse. $800,000. Work will be done by separate contracts under supervision of architects.

N. Y., New York—Bank—Jan. 25, by North River Savings Bank, 31 West 34th St., 2 story, 75 x 100 ft., brick, steel and stone, plain foundation, 206 West 34th St. $200,000. C. E. Birge, 29 West 34th St., archt and engr. Noted Nov. 17.

N. J., Elizabeth—Hospital—Feb. 8, by Crow, Lewis & Wick, archts. and engrs., 200 5th Ave., New York, brick, steel and stone, plain foundation, here, for Elizabeth Genl. Hospital. $600,000.

N. J., West Hoboken—Bank—Jan. 25, by W. L. Stoddart, archt. and engr., 9 East 40th St., New York, 2 story, 100 x 150 ft., brick, steel and stone, plain foundation, Bergenline Ave. and Hackensack Plank Rd., here, for Hudson Trust Co., 51 Newark St., Hoboken. $150,000. Noted Jan. 5.

Pa., Pittsburgh — Hospital — Western Penn Hospital, Friendship Ave., 5 and 6 story, 185 x 115 x 43 x 66 x 44 ft., Friendship Ave. $600,000. Work will be done by separate contract. Address J. L. Beatty, 146 6th St., archt. Noted Jan. 12.

N. C., Morgantown—Dormitory, etc.—Jan. 24, by J. McCampbell, supt. State Hospital, c/o C. C. Hook, archt., Trust Bldg., Charlotte, dormitory, staff house and central kitchen, probably brick, at hospital, here. $250,000.

Ga., Augusta—Bank—Jan. 25, by Natl Exch. Bank, 823 Broad St., brick, steel and stone, plain foundation. $250,000. Mowbray & Uffinger, 56 Liberty St., New York, archts. and engrs.

Fla., Orlando—Hotel—Jan. 25, by W. L. Stoddart, archt. and engr., 9 East 40th St., New York, building hotel for San Juan Hotel, here. $400,000. Noted Jan. 12.

Buildings (Continued)

Tenn., Murfreesboro—Dormitory—Jan. 26, by J. B. Brown, supt. instruction, State Capitol, Nashville, 2 story, 40 x 160 ft. brick, here. Former bids rejected. H. C. Hibbs, 4th and 1st Natl. Bank Bldg., Nashville, archt. Noted Dec. 29.

O., Columbus—Dormitory—Feb. 8, by C. E. Steele, secy. Bd. Directors Ohio State University, 4 story, 40 x 150 ft. girls dormitory (Mack Hall), brick and concrete. $175,000. J. N. Bradford, Ohio State University, archt. Noted Dec. 1.

Ind., South Bend—Dance Hall and Store—J. S. Aroner & Co., archts., 25 East Jackson Blvd., Chicago, receiving bids 3 story, 92 x 165 ft., rein.-con., brick and steel, for Palace Theatre Corp., c/o architects. $350,000 Noted Nov. 24.

Mich., Buchanan—School—Feb. 4, by Bd. Educ., 2 story, brick, steel and concrete. $150,000. I. S. Rice, secy. R. A. Le Roy, 122 Pratt Blk., Kalamazoo, archt.

Mich., Detroit—School—Jan. 24, by Bd. Educ., 1354 Bway Ave., 2 story, 85 x 120 ft. rein.-con., brick, steel and stone addition, plain foundation, Brush St. and Parkhurst Ave. $150,000. Malcomson, Higginbotham & Palmer, 405 Moffat Bldg., archts.

Ill., Chicago—Apartment—L. G. Hallberg & Co., archts., 116 South Michigan Ave., receiving bids 3 story, 190 x 267 ft., rein.-con., brick and steel, 4220-40 Lincoln St., for M. Schuster, c/o architect. $300,000.

Ill., Chicago — Church—Worthman & Steinbach, archts., 155 North Clark St., receiving bids 1 story, 68 x 167 ft., rein.-con., brick and steel, 64th St. and Harvard Ave., for Church of Redeemer, Evangelical Lutheran Congregation, 6040 Princeton St. $150,000. Noted Sept. 1.

Ill., Chicago — Hotel — A. Proskauer, archt. 127 North Dearborn St., receiving bids 8 story, 52 x 250 ft., rein.-con., brick and steel, Surf St. near Sheridan Rd. $1,000,000. Owners name withheld.

Ill., Evanston—Apartment—L. G. Hallberg & Co., archts., 116 South Michigan Ave., Chicago, receiving bids 3 story, 146 x 158 ft., rein.-con., brick and steel, Hinman and Lee Sts., here. $200,000. Owners name withheld.

Ill., Evanston — Home — A. Sandegren, archt., 116 East Oak St., Chicago, receiving bids 3 story, 150 x 310 ft., rein.-con., brick and steel, Colfax and McDaniels Aves., for Swedish Societies Old Peoples Home, Pioneer Rd. and Grant St. $250,000.

Ill., Joliet — Apartment Hotel — B. J. Bruns, archt., 1548 Belmont Ave., Chicago, receiving bids 9 story, rein.-con., brick and steel. $500,000. Owners name withheld. Noted Dec. 29.

Ill., Oak Park—Apartment—T. R. Bishop, archt., 35 South Dearborn St., Chicago, receiving bids 3 story, 180 x 280 ft., rein.-con., brick and steel, Wisconsin St. and Pleasant Ave., here, for H. J. Kusel, 35 South Dearborn St., Chicago. $500,000.

Ill., Oak Park—Hotel and Store—T. R. Bishop, archt., 35 South Dearborn St., Chicago, receiving bids 3 story, 70 x 180 ft., rein.-con., brick and steel, Pleasant Ave. and Wisconsin St., here, for H. J. Kusel, 35 South Dearborn St., Chicago. $150,000.

Ill., Rockford—Theatre, Store and Apartment—Feb. 1, by Alhambra Theatre Corp., c/o C. E. Wolfley, archt., 613 Stewart Bldg., 3 story, 85 x 150 ft., brick, stone and steel, North Main and Auburn Sts. $150,000. F. Beale, pres. Noted Sept. 1.

Wis., Fond du Lac—Hotel—Jan. 30, by Wisconsin Hotel Co., c/o D. Sargent, genl. mgr., Palmer House, 29 South Main St., receiving bids 8 story, rein.-con., brick and steel. $400,000. N. S. Spencer & Son, 37 West Van Buren St., Chicago, archts. Noted Nov. 7.

Wis., Sheboygan—Hotel—Jan. 31, by Wisconsin Hotel Co., Hotel Foeste, 4 story, 75 x 139 ft., rein.-con. and brick, 8th St. $170,000. A. N. Merritt, pres. E. A. Stubenrauch, 629 North 8th St., archt.

Ia., Davenport—Store—Jan. 26, Graham, Anderson, Probst & White, archts., 80 East Jackson Blvd., Chicago, receiving bids 7 story, rein.-con., brick and steel, here, for W. C. Putnam Estate, Davenport.

Mo., St. Louis—Church—Feb. 2, by J. H. Senne, archt., Central Natl. Bank Bldg., 1 story, 80 x 150 ft., rein.-con., brick, steel and stone, Folson Ave., for First United Presbyterian Church, c/o W. R. Johnson, chn. building comm., 3643 Folson Ave. $150,000. Noted July 14.

Cal., Burbank—High School—Jan. 24, by Bd. Trustees, 1 story, 138 x 269 ft., brick and terra cotta. $160,000. Allison & Allison, 1405 Hibernian Bldg., Los Angeles, archts. Noted Sept. 29.

Cal., Porterville—High School—Feb. 1, by Bd. Educ., 2 story, brick and concrete. $270,000. Coates & Traver, Rowell Bldg., Fresno, archts.

Cal., Sacramento—Capitol—Feb. 14, by State Dept. Pub. Wks., Div. of Architecture, Forum Bldg., two, 5 story, steel, granite and stone additions to State Capitol, concrete pile foundations. $3,000,000. Weeks & Day, Phelan Bldg., San Francisco, archts. and engrs. Noted Dec. 15.

Cal., San Diego—High School—Jan. 26, by Bd. Educ., 604 Southern Title Bldg., (general contract) for high school, in Balboa Park. T. C. Kistner, 307 Bancroft Bldg., archt. Noted June 30.

BIDS RECEIVED

N. J., Secaucus (Weehawken P. O.)—Insane Asylum—Bd. Freeholders Hudson Co. (Jersey City), opened bids Jan. 12, five 2 story, brick and steel buildings in group, here, general construction, from S. L. Mfl ton Co., 125 East 46th St., New York, $455,685, W. H. and F. W. Crane, 149 Bway., New York, $459,222 with $17 cu.yd. rock excav., J. Mitchell, Jr., 76 Montgomery St., Jersey City, $487,000 with $17 cu.yd. rock excav.; plumbing work, from E. H. Moore Co., 120 York St., Jersey City, $29,-615, W. W. Farrier Co., 44 Montgomery St., Jersey City, $29,991, M. J. Gill Eng. Co., 19 Park Pl., New York, $34,800; electrical work, from Hoffman & Elias, 549 Columbus Ave., New York, $55,850, W. J. Coleman, Willow Court, Jersey City, $57,-238, S. Millenger, 119 West 19th St., New York, $59,900; heating work, from J. Craig Co., 617 Communipaw Ave., Jersey City, $94,480, J. H. Cooney, 210 North 4th St., Harrison, $99,847, W. W. Farrier Co., 44 Montgomery St., Jersey City, $119,850. Noted Dec. 29.

Va., Norfolk—Apartment—H. W. Simpson, archt., Bd. Trade Bldg., 6 story, 85 x 145 ft., brick, concrete and steel, Ambler Ave., for Ambler Apartment Corp., general contract from Agostini Bros., Arcade Bldg., $144,499, Fanning & Quinn, Inc., Bd. Trade Bldg., $155,000, R. A. Steffans, Bd. Trade Bldg., $172,000; heating, plumbing and ventilating, from Wilson & Co., Inc., Duke St., $28,493, Coley & Petersen, Boush St., $28,872, J. J. Lawler & Co., Bank St., $30,900.

Cal., Los Angeles—High School—Bd. Educ., Security Bldg., 2 story, 132 x 350 ft., rein.-con., brick and tile, Bronson Ave. near Fountain Ave., from Los Angeles Planing Mill Co., 1812 Industrial St., $289,-710; J. Simpson Co., 701 Antonio Ave., (omitting one wing) $261,950; J. F. Atkinson, 1102 Story Bldg., (general contract) $323,000, (omitting one wing) $293,000. Noted Dec. 29.

CONTRACTS AWARDED

Mass., Stoughton—High School—School Bd., 3 story, 73 x 122 ft., brick, Pearl St., to W. Hanson, Chestnut St., Brockton. $150,000.

Conn., Hartford—Theatre and Business—Park St. Investment Co., 274 Park St., will build 3 story, concrete, brick and steel, plain foundation, Park St. $175,000. Work will be done by day labor. Noted Dec. 15.

N. Y., Jamaica—Apartment Aix Impvt. Co., c/o Cohn Bros., archts. and engrs., 361 Stone Ave., Brooklyn, 4 story, brick, steel and stone, plain foundation, here, by day labor. $150,000.

N. Y., New York — Apartment—Lobos Realty Corp., c/o Margon & Glaser, archts. and engrs., 2806 3rd Ave., 5 story, brick, steel and stone, plain foundation, McClellan St. and Sherman Ave., by day labor. $150,000.

N. Y., New York—Apartment—Marcus Buda Constr. Co., c/o D. S. Lang, archt. and engr., 110 West 34th St., 5 story, brick, steel and stone, plain foundation, Morris Ave., by day labor. $180,000.

N. Y., New York—Apartment—Margon & Glaser, archts. and engrs., 2806 3rd Ave., brick, steel and stone, plain foundation, 230th St. near Kingsbridge Ave. $175,000. Owners name withheld. Work will be done by day labor under supervision of architects. Noted Dec. 29.

N. Y., New York—Apartment—Stuyvesant Estates, Inc., c/o Gronenberg & Leuchtag, archts. and engrs., 303 5th Ave., 6 story, brick, steel and stone, plain foundation, Amsterdam Ave. and 92nd St., by day labor. $600,000.

N. Y., New York—Apartment—Two Hundred Street Constr. Co., c/o Moore & Landseidel, archts. and engrs., 148th St. and 3rd Ave., 5 story, brick, steel and stone, plain foundation, Valentine Ave., by day labor. $150,000.

N. Y., New York — Hotel — Presanent Bros., c/o Sugarmam & Hess, archts. and engrs., New York, 15 story, brick, steel and stone, plain foundation, 74th St. between Bway. and Amsterdam Ave., to J. G. Siegel, 17 East 49th St.

N. J., Princeton — Dormitory — Zantzinger, Borie & Medary, archts., Otis Bldg., Phila., 3½ story, 41 x 130 ft. and 28 x 50 ft. and 3 story, 27 x 139 ft. and 52 x 64 ft., here, to Matthew Constr. Co., Alexander St., for Princeton University. Noted Dec. 8.

D. C., Wash.—Apartment—H. Wardman, 1430 K. St., N. W., will build apartment by day labor. $175,000.

N. C., Charlotte—School—For 3 story, 126 x 270 ft., stucco, Elizabeth St., to Palmer-Spivey Co., Campbell Bldg., Augusta, Ga., $241,869; heating to Parks-Cramer Co., Court House Square, $26,748. Noted Nov. 17.

Va., Danville—Theatre—Southern Amusement Corp., 3 story, 60 x 178 ft., steel brick and rein.-con., plain foundation Main St., to L. B. Flora, East Paxton St., $180,000. Noted Apr. 21.

Ind., Beech Grove—School—Catholic Congregation, 2 story, 65 x 100 ft., brick and stone, to A. Sahm, Five Points (Indianapolis P. O.), $150,000. Noted Dec. 29.

Ind., Claypool—School—E. E. Kinsey, trustee, 2 story, 105 x 106 ft., brick, to N. M. Frantz, Silver Lake. Noted Dec. 22.

Ind., Ft. Wayne — High School — Bd. Educ., 3 story, 230 x 450 ft., brick, Calhoun and Gumper Sts. to Indiana Eng. & Constr. Co., 201 Central Bldg. Noted Jan. 5.

Ind., Indianapolis — Apartment—W. T. Myers, 314 West 21st St., 3 story, 80 x 125 ft., brick, Highland Pl., to State Constr. Co., 726 Ind. Pythian Bldg. $150,000. Noted Dec. 5.

Ind., Martinsville—Sanitarium—Martinsville Springs Hotel and Sanitarium Co., c/o A. Gribble with E. E. Sluss, 701 Fletcher Trust Bldg., Indianapolis, 2 story, 110 x 125 ft., brick and hollow tile, Cunningham Hill, to Caldwell & Sons Co., 301 Public Savings Bldg., Indianapolis. Noted Dec. 22.

Ind., Michigan City—Hotel—Michigan City Hotel Co., 6 story, 86 x 165 ft., Franklin and 7th Sts., to H. Koellen, 317 East 5th St. $400,000. Noted June 30.

Ind., Michigan City—Theatre—Michigan City Theatre Co., c/o Starland Theatre, 426 Franklin St., 3 story, 60 x 125 ft., brick and terra cotta, Franklin St., to H. Koellen, 317 East 5th St. $150,000. Noted Dec. 22.

Ind., Poneto — School — O. F. Tate, trustee, 2 story, 80 x 110 ft., brick, to Gordon & Riess, Liberty Center. Noted Dec. 29.

Ind., South Bend—School—Bd. Educ., 2 story, 65 x 100 ft., brick, to Platz & Gill, 201 Calvert St. Noted Jan. 5.

Mich., Saginaw — School—Bd. Educ., 2 story, 177 x 292 ft. rein.-con., South Wedock Ave., to Realty Constr. Co., Flint $499,785. Noted Dec. 15.

Ill., Chicago—Restaurant—R. G. Schmidt & Co., archts., 154 West Randolph St., 2 story, 100 x 100 ft., rein.-con., brick and steel, Sheridan Rd. and Wilson Aves., to C. Rasmussen, 154 West Randolph St., for Garibaldi & Cuneo, 1 West South Water St. $150,000. Noted Dec. 29.

Ill., Joliet—Cell House—State of Illinois, c/o J. Lambert, 209 La Salle St., Chicago, 3 story, cell-house 3 Lockport Twp., structural steel to Worden Allen Co., 208 South La Salle St., Chicago, $11,494; cell front and locking devices, to St. Paul Fdry. Co., Como Ave. and Mackubin St., St. Paul, Minn., $84,500; architectural iron, Dauchy Iron Wks., 223 West Illinois St., Chicago, $41,710; sheet metal work, Audel & Co., 4518 Lexington St., Chicago, $6,990. Noted Nov. 10.

Mo., Kansas City — Apartment Hotel—Bellerive Investment Co., 111 North 7th St., St. Louis, 15 story, 110 x 203 ft., rein.-con., brick and stone, Armour and Warwick Blvds., here, by day labor, under supervision of P. J. Bradshaw, archt., International Life Bldg., St. Louis. $1,000,000. Noted Dec. 29.

Cal., Fullerton—High School—Bd. Educ., two 1 story, 51 x 109 ft., rein.-con. and tile additions, to Edwards, Wildey & Dixon, 515 Black Bldg., Los Angeles, $180,650. Noted Jan. 5.

Cal., Los Angeles—Office—J. H. Adams, c/o R. D. King, archt., 519 Van Nuys Bldg., 10 story, 46 x 100 ft., rein.-con., terra cotta and brick, Olive St. near 8th St., to W. Crowell, 902 South Alvaredo St., $568,400. Noted Dec. 8.

Cal., San Francisco — Apartment — A. Penziner having plans prepared by E. H. Denke, archt., 1317 Hyde St., 6 story, rein.-con., Bush and Taylor Sts. Work will be done by day labor.

Cal., Tropico—Mausoleum—Amer. Security & Fidelity Co., Hollingsworth Bldg., Los Angeles, 1 and 2 story, 66 x 189 ft., rein.-con., granite and marble, Forest Lawn Cemetery, to C. L. Peck, H. W. Hellman Bldg., Los Angeles. $300,000.

Ont., Hamilton — School—Bd. Educ., 2 story, 20 room, rein.-con., brick, steel and tile, Main St., general contract to P. H. Secord & Son Constr. Co., Ltd., 133 Nelson St., Brantford, $299,135. Noted Dec. 15.

Ont., Toronto—School—Bd. Educ., 155 College St., 2 story, 8 room, rein.-con., brick and steel, North Toronto St., general contract to Witchall & Son, 156 St. Helens Ave., $77,486; heating and plumbing to W. J. McGuire, 91 Jarvis St., $39,750; car-

Buildings (Continued)

pentry to Hudson & Moseley, 6 Algonquin Ave., $26,280.

Ont., Windsor—School—Joint School Bds. Windsor and Walkerville, general contract for 3 story, 20 room, rein.-con., brick, steel and stone, to W. E. Wood & Co., LaBelle Bldg., $300,000. Noted Sept. 1.

Federal Government Work

PROPOSED WORK

D. C., Wash.—Paving—Spec. 4542—Bureau Yards & Docks, Navy Dept., Wash., D. C., rejected bids for concrete paving at navy yard, here. Noted Dec. 15.

BIDS DESIRED

Mass., Boston—Remodeling Hospital—Feb. 7, Treas. Dept., Wash., D. C., remodeling south wing of main building, incl. mechanical equipment and construction of certain approach work for U. S. Marine Hospital, here. J. A. Wetmore, acting superv. archt.; adv. this issue. Noted Jan. 12.

D. C., Wash.—Ice Making and Refrigerating Plant—Jan. 26, by Treas. Dept., ice making and refrigerating plant in U. S. Treasury Bldg., here. J. A. Wetmore, acting superv. archt.

Va., Norfolk—Ice Making and Refrigerating Plant—Jan. 25, by Treas. Dept., Wash., D. C., ice making and refrigerating plant in main hospital building, U. S. Pub. Health Serv. Hospital, Tanners Creek site, here. J. A. Wetmore, acting superv. archt.

La., Alexandria—Refrigerating Plant—Jan. 31, by Treas. Dept., Wash., D. C., refrigerating plant in kitchen and mess building, at U. S. Pub. Health Serv. Hospital, here. J. A. Wetmore, acting superv. archt. Noted Oct. 27.

Miss., Gulfport—Kitchen Equipment—Feb. 1, by Treas. Dept., Wash., D. C., kitchen equipment for U. S. Pub. Health Serv. Hospital, here. J. A. Wetmore, acting superv. archt.; adv. this issue.

Wash., Puget Sound—Seawall—Spec. 4562—March 1, by Bureau Yards & Docks, Navy Dept., Wash., D. C., seawall, here. Noted Dec. 1.

Cal., San Diego—Barracks, etc.—Spec. 4563—Feb. 15, by Bureau Yards & Docks, Navy Dept., Wash., D. C., 6 barracks, 2 entrance buildings and gates, at Naval Base, here. L. E. Gregory, ch.; adv. this issue.

Cal., San Diego—Refrigerating and Cold Storage Plant—Spec. 4543—Feb. 1 by Bureau Yards & Docks, Navy Dept., Wash., D. C., refrigerating and cold storage plant, here.

H. T., Honolulu—Water Supply Line—March 9, by Constructing Quartermaster, 5 mi. 18 and 24 in. c.i. water supply line, Schofield Barracks Reservation, here; adv. this issue.

BIDS RECEIVED

Me., Otter Cliffs—Quarters, etc.—Spec. 4521—Bureau Yards & Docks, Navy Dept., Wash., D. C., quarters for officer in charge and remodeling guardhouse, here, from A. B. & J. B. Hodgkins, Bar Harbor, $14,182; E. K. Whitaker, Bar Harbor, $14,320; King Lumber Co., Charlottesville, Va., $14,966. Noted Jan. 5.

R. I., Newport—Dredging—Spec. 4552—Bureau Yards & Docks, Navy Dept., Wash., D. C., dredging Goat Island, here, from Bay State Dredging Co., 62 Condor St., Boston, $0.72; W. S. Randall, Boston, $0.82; J. S. Packard Dredging Co., 1054 Turks Head Bldg., Providence, $1.10. Noted Jan. 5.

D. C., Wash.—Foam Fire Protection System—Spec. 4525—Bureau Yards & Docks Navy Dept., foam fire protection system, here, from W. G. Cornell Co., 19 Patterson St., N. E., $10,465; Carroll Electric Co., 714 12th St., N. W., $12,400. Noted Jan. 5.

Va., Hampton Roads—Dredging—Spec. 4571—Bureau Yards & Docks, Navy Dept., Wash., D. C., dredging at naval operating base, here, from Norfolk Dredging Co., 303 Water St., Norfolk, $0.155; Sanford & Brooks Co., Commerce and Water Sts., Baltimore, Md., $0.169; J. E. Jones Dredging Co., Main and Atlantic Sts., Norfolk, $0.177. Noted Jan. 5.

CONTRACTS AWARDED

La., New Orleans—Levee Work—Fourth Mississippi River Comn., levee work, Palmyra Levee, Lower Tansas Dist., to Rominger & Beauchamp, Vicksburg, Miss., $7,200.

Cal., San Diego—Lighting System—Spec. 4526—Bureau Yards & Docks, Navy Dept., Wash., D. C., street lighting system, at Marine Corps Naval Base, here, to Globe Electric Wks., 1959 Mission St., San Francisco, $6,280 (90 days). Noted Jan. 12.

Miscellaneous

PROPOSED WORK

Stadium—Norfolk, Va.—Norfolk Sports Corp., c/o D. Robertson, 4115 Colonial Ave., plans rein.-con. stadium (12,000 seating capacity), athletic field, club quarters, etc. Engineer not selected.

Cattle Barn—Indianapolis, Ind.—Indiana Bd. Agriculture, State House, plans brick cattle barn, State Fair Grounds, $150,000. Architect not selected.

Park Improvements—West Hammond, Ill.—Making plans landscape gardening, grading and gravel surfacing driveways, etc., Calumet Memorial Park, $50,000. Consoer Eng. Co., 140 South Dearborn St., Chicago, engrs.

Cement—Sheboygan, Wis.—Completing specifications for 10,000 bbl. cement and other road materials. C. U. Boley, City Hall, engr.

Gas Mains—San Diego, Cal.—See "Industrial Works."

Electrolier System—Merced, Cal.—City Trustees approved plan and soon take bids for electrolier system, incl. 435-250 c.p. lamps, etc. C. D. Martin, city engr.

Electric Light and Power System—Courtright, Ont.—Having surveys made electric lighting and power distribution system. $35,000. J. N. Wilson, 190 University Ave., Toronto, engr.

Transmission Line—Woodstock, Ont.—Electrical Comn. plans extending transmission line, incl. new transformers. $28,000. Prices wanted on materials and equipment. J. G. Archibald, Woodstock, engr.

BIDS DESIRED

Pumping Equipment—New Britain, Conn.—Feb. 1, by Bd. Water Comrs., Room 201, City Hall, 1 power pump, oil engine and appurtenances. J. D. Williams, city engr., adv. this issue.

Elimination of Grade Crossings—Buffalo N. Y.—Jan. 28, by Grade Crossing Comn., 436 Ellicott Sq., subway and approaches on East Ferry St. and Erie R.R.; East Delevan and Kensington Aves., Erie and Delaware, Lackawanna & Western R.R.; also concrete bridge on Kensington Ave., for city and above named railroads. E. B. Guthrie, 436 Ellicott Sq., engr.

Tar, etc.—Trenton, N. J.—Jan. 24, by Bd. Freeholders Mercer Co., furnishing 36,000 gal. Grade "P" or "U. C." tar, 26,000 gal. Grade "A. E." asphalt emulsion and 10,000 gal. Grade "L. K." asphalt cut back to be shipped in wooden barrels or metal drums f.o.b. cars any siding in Mercer Co. H. F. Harris, Court House, engr.

Road Graders—Alabama—State Hy. Dept., Montgomery, in market for from 3 to 6 road graders. W. S. Keller, state highway engr.

Lumber—New Orleans, La.—Jan. 25, by Bd. Port Comrs. of New Orleans, New Court Bldg., 310,000 ft. untreated southern yellow pine. J. H. Walsh, genl. mgr.

Equipment—Nashville, Tenn.—Rock Asphalt Bldg. Block Co., 638 Stahlman Bldg., in market for one gyratory crusher 150 ton daily capacity one 16 ft. x 40 in. revolving screen with dust jacket, one 30 ft. belt and elevator buckets for same, one 24 x 24 in. friction hoist, four 1½ yd. end dump quarry cars with 600 ft. tram track, one pulverizer, for pulverizing limestone for agricultural purposes, shafting, belts, pulleys, etc. A. J. Bright, ch. engr.

Pumps, etc.—Detroit, Mich.—J. S. Whitcomb Constr. Co., 525 Woodward Ave., taking bids, centrifugal pumps, 6-8 in., side dump industrial cars, one yard capacity, track, etc.

Reinforcing Steel—Milwaukee, Wis.—Feb. 3, by Sewerage Comn., City Hall, 5,000 ton of reinforcing steel for use in connection with settling and aeration tanks on Jones Island. T. C. Hatton, City Hall, engr.

Tractor—St. Cloud, Minn.—Feb. 23, by Stearns Co., one tractor, caterpillar type, with engine 40 hp. minimum, 3 mi. per hour equipment with all weather top and tools. N. Thomey, aud.

Dredge Cable—Portland, Ore.—Feb. 1, by Bd. Comrs. Port of Portland, 916 Spalding Bldg., furnishing 1,000 lin.ft. armoured electric dredge cable and 3 transformers with switches. $8,000. J. H. Polhemus, 916 Spalding Bldg., engr.

Curbstone—Montreal, Que.—Feb. 1, by City Clerk, 40 000 ft., curb stone for sidewalks and 500 ft. rounded curbs. A. E. Doucet, City Hall, dir. pub. wks.

Road Roller—Orillia, Ont.—Jan. 31, by C. E. Grant, clk., 15 ton road roller with scarifier and full equipment.

BIDS RECEIVED

Cement—Wisconsin—State Hy. Comn., Madison, opened bids Jan. 10, cement for state aid construction, (1) Ashland Co., 4,200 bbl., (2) Brown Co., 110,500 bbl., (3) Clark Co., 240 bbl., (4) Fond du Lac Co., 132,518 bbl., (5) Green Lake Co., 400 bbl., (6) Jefferson Co., 109,000 bbl., (7) Kenosha Co., 28,800 bbl., (8) Marathon Co., 933 bbl., (9) Ozaukee Co., 25,800 bbl., (10) Racine Co., 79,100 bbl., (11) Rock Co., 45,000 bbl., (12) Walworth Co., 115,600 bbl., (13) Waukesha Co., 182,100 bbl., (14) Waupaca Co., 16,380 bbl., (15) Wood Co., 118,500 bbl., (a) range of bid, (b) range freight from mill, (Price per barrel delivered including charge for bags (40c. per bbl.). Discount of 10c. per bbl. allowed for payment within ten days from date of invoice), from Universal Portland Cement Co., 210 South La Salle St., Chicago, (1a) $2.49, (1b) $0.44, (2a) $2.57-$2.59, (3b) $0.57-$0.59, (3a) $2.62, (3b) $0.57, (4a) $2.49-$2.53, (4b) $0.49-$0.53, (5a) $2.57, (5b) $0.57, (6a) $2.51, (6b) $0.51, (7a) $2.40-$2.42, (7b) $0.39-$0.42, (8a) $2.61, (8b) $0.59, (9a) $2.49, (9b) $0.49, (10a) $2.42-$2.48, (10b) $0.42-$0.48, (11a) $2.42-$2.48, (11b) $0.41-$0.48, (12a) $2.42-$2.48, (12b) $0.42-$0.48, (13a) $2.48-$2.51, (13b) $0.48-$0.51, (14a) $2.57-$2.61, (14b) $0.57-$0.61, (15a) $2.61, (15b) $0.57-$0.61; Marquette Cement Mfg. Co., 1331 Marquette Bldg., Chicago, (2a) $2.57-$2.59, (2b) $0.61-$0.65, (4a) $2.53, (4b) $0.55-$0.59, (5b) $0.59, (6a) $2.51, (6b) $0.51, (7b) $0.51-$0.53 (8b) $0.65, (9b) $0.57, (10b) $0.51-$0.53, (11a) $2.42-$2.48, (11b) $0.48-$0.51, (12a) $2.46, (12b) $0.51-$0.53, (13a) $2.48-$2.51, (13b) $0.53-$0.55, (14a) $2.57, (14b) $0.61-$0.65, (15a) $2.61, (15b) $0.61-$0.65; Lehigh Portland Cement Co., Conway Bldg., Chicago, (1a) $2.69, (2a) $2.51-$2.60, (2b) $0.61-$0.65, (3a) $2.62, (3b) $0.61, (4a) $2.52-$2.56, (4b) $0.55-$0.59, (5a) $2.57, (5b) $2.59, (6a) $2.51, (6b) $0.51-$0.53, (7a) $2.46-$2.48, (7b) $0.51-$0.53, (8a) $2.61, (8b) $0.61, (9a) $2.52, (9b) $0.57, (10a) $2.46-$2.48, (10b) $0.51-$0.53, (11a) $2.43-$2.46, (11b) $0.48-$0.51, (12a) $2.46-$2.48, (12b) $0.51-$0.53, (13a) $2.48-$2.51, (13b) $0.53-$0.55, (14a) $2.57-$2.61, (14b) $0.61-$0.65, (15a) $2.61, (15b) $0.59-$0.61; Sandusky Cement Co., Engineers Bldg., Cleveland, (2a) $2.57-$2.59, (2b) $0.59-$0.65, (3a) $2.62, (3b) $0.65, (4a) $2.51-$2.53, (4b) $0.53-$0.57, (5a) $2.57, (5b) $0.59, (6a) $2.51, (6b) $0.48-$0.51, (7b) $0.47-$0.51, (8a) $2.61, (8b) $0.65, (9a) $2.49, (9b) $0.53, (10b) $0.47-$0.53, (11a) $2.42-$2.48, (11b) $0.42-$0.46, (12a) $2.42-$2.48, (12a) $0.46-$0.51, (13a) $2.48-$2.51, (13b) $0.51-$0.61, (14a) $2.57-$2.61, (14b) $0.49-$0.61, (15a) $2.61, (15b) $0.59-$0.61; Alpha Portland Cement Co., 140 South Dearborn St., Chicago, (2a) $2.57-$2.60, (2b) $0.61-$0.65, (3a) $2.62, (3b) $0.67, (4a) $2.52-$2.54, (4b) $0.55-$0.59, (5a) $2.57, (5b) $0.59, (6a) $2.51, (6b) $0.51-$0.53, (7a) $2.46, (7b) $0.51-$0.53, (8a) $2.61, (8b) $0.65, (9a) $2.52, (9b) $0.57, (10a) $2.46-$2.48, (10b) $0.51-$0.53, (11a) $2.43-$2.48, (11b) $0.48-$0.51, (12a) $2.46-$2.48, (12b) $0.51-$0.53, (13a) $2.48-$2.51, (13b) $0.53-$0.55, (14a) $2.57-$2.61, (14b) $0.61, (15a) $2.61, (15b) $0.61-$0.65.

CONTRACTS AWARDED

Crushed Stone—Hartford, Conn.—Dept. Pub. Wks., crushed stone supply for 2 years, to E. Balf Co., 26 State St., at $1.79 per ton.

Inspection Shed Enclosure—Brooklyn, N. Y.—Transit Comn., 49 Lafayette St., New York, enclosure for inspection shed and its appurtenances in Livonia Ave. Yard, Route 31, to C. J. Adams & Sons, 308 West 20th St., New York, $180,000. Noted Dec. 8.

Structural Steel, etc.—New York, N. Y.—Bd. Purch., Municipal Bldg., furnishing and delivering structural steel, to Bethlehem Steel Corp., Bethlehem, Pa., $48,340; gray iron castings, to Flockhart Fdry. Co., 79 Polk St., Newark, N. J., $745. Noted Dec 22.

Wharf Cranes—Rochester, N. Y.—C. L. Cadle, supt. Pub. Wks., Albany, two 2 ton, electric overhead wharf cranes, here, to McMyler Interstate Co., Bedford, O., $16,230. Noted Jan. 12.

Turbo-Generator—Lincoln, Neb.—Furnishing and erecting on foundations furnished by city, one 2,900 kw. turbo-generator, with 7,600 ft. surface condenser, to Allis-Chalmers, West Allis, Milwaukee, Wis., $70,460. Noted Dec. 15.

Railway Material—San Francisco, Cal.—Bd. Pub. Wks., railway material, under Contr. 127, 820 ton 9 in. girder rail, 1,600 pairs joint plates, 150 kegs track bolts, Sect. A, 200 kegs spikes and 30,000 tie plates, Sect. B, to U. S. Steel Products Co., Rialto Bldg., $58,265 and $6,400 respectively; 3,000 tie rods to Payne Bolt Wks., Howard and Main Sts., $1,140. Noted Jan. 12.

Retaining Wall—Ottawa, Ont.—Ottawa Impvt. Comn., Castle Bldg., concrete retaining wall along Rideau River, by day labor under supervision of A. Stuart, engr., Castle Bldg. $100,000.

OFFICIAL PROPOSALS

Bids: Feb. 1.

Bridge Over Shrewsbury River

Freehold, N. J.

Notice is hereby given that sealed bids will be received by the Board of Chosen Freeholders of the County of Monmouth for the reconstruction of Bridge No. s-32, over the Shrewsbury River, Sea Bright, New Jersey, and opened and read in public at the rooms of said Board, Court House, Freehold, New Jersey, on Wednesday, February 1st, 1922, at 11 A.M.

Drawings and specifications for the proposed work, prepared by George K. Allen, County Engineer, have been filed in the office of said Engineer at P. O. Red Bank, N. J., and may be inspected by prospective bidders during business hours. The standard proposal form is attached to the specifications, copies of which will be furnished on application to the Engineer.

Plans and specifications will be furnished to prospective bidders upon payment of ten dollars ($10), which amount will be refunded upon return of plans and specifications before the time specified for the opening of bids.

Bids must be made on the standard proposal forms in the manner designated therein and required by the specifications, must be enclosed in sealed envelopes, bearing the name and address of the bidder and name of proposed work on the outside, addressed to the Board of Chosen Freeholders of the County of Monmouth, and must be accompanied by a certified check for a sum not less than ten (10) per cent of the amount bid on the work payable to the order of the County Treasurer, and a surety company certificate stating that said surety company will provide the bidder with the required bond, and must be delivered at the place and on the hour above named.

The Board of Chosen Freeholders of the County of Monmouth reserves the right to reject any or all bids if deemed to the best interests of the County so to do.

By order of the Board of Chosen Freeholders of the County of Monmouth.

BRYANT B. NEWCOMB, Director.

Attest:
GEORGE W. PATTERSON, Jr., Clerk.
Freehold, N. J., December 28, 1921.

Bids: Feb. 14.

Fabricated Steel Trusses

Salt Lake City, Utah.

Sealed bids will be received by the State Road Commission of Utah, State Capitol, Salt Lake City, Utah, at 2 o'clock p.m., February 14, 1922, and at that time publicly opened for

Furnishing of fabricated steel trusses delivered f.o.b. Ogden, Utah,

the same being a part of Federal Aid Project No. 30-B, between Ogden, Weber County, Utah, and Huntsville, Weber County, Utah.

The length of bridges to be constructed or improved is

One 100 ft. steel truss and
One 63 ft. steel truss

and the principal items of work are approximately as follows:

Furnishing complete fabricated steel necessary in the construction of two steel trusses in accordance with

plans and specifications which are on file in the office of the State Road Commission, Salt Lake City, Utah.

The above plans and specifications may be obtained at the office of the State Road Commission on depositing Ten ($10.00) Dollars. Any additional information may be secured from the State Road Engineer at Salt Lake City, Utah.

The right to reject any or all bids is reserved.

Cash or certified check for One Thousand ($1,000.00) Dollars made payable to the Utah State Road Commission must accompany each bid as evidence of good faith and as a guarantee that if awarded the contract, the bidder will execute the contract and give bond as required.

STATE ROAD COMMISSION.
By HOWARD C. MEANS,
State Road Engineer.

Bids: Feb. 1.

Road and Bridge Construction

Belvidere, N. J.

Notice is hereby given that sealed bids will be received by The Board of Chosen Freeholders of the County of Warren for the construction of Section No. 3, Washington-Buttzville Road in the Township of White, in the County of Warren.

The work includes 28,432 cu.yd. excavation, 6,253 sq.yd. concrete pavement, construction of 2-span concrete bridge containing 2,600 cu.yd. concrete.

Bids will be opened and read in public at the office of the said Board in the Court House, Belvidere, N. J., on Wednesday, Feb. 1, 1922, at 11 o'clock A.M.

Drawings, specifications and forms of bid, contract and bond for the proposed work, prepared by H. W. Vetter, County Engineer, and approved by the State Highway Commission, have been filed in the office of the said engineer at Belvidere, N. J., and of said State Highway Commission, Trenton, N. J., and may be inspected by prospective bidders during business hours. Bidders will be furnished with a copy of the specifications and blue prints of the drawings by the engineer on proper notice and a deposit of $10.00 which will be refunded upon return of same in good condition. Bids must be made on the standard proposal forms in the manner designated therein and required by the specifications, must be enclosed in sealed envelopes, bearing the name and address of bidder and name of road on the outside, addressed to the Board of Chosen Freeholders of the County of Warren, Belvidere, N. J., and must be accompanied by a statement from a surety company authorized to do business in New Jersey, stating that it will furnish the contractor with a satisfactory bond in the full amount of the contract in case he is found to be the lowest responsible bidder and is subsequently awarded the contract, and a certified check for not less than 10% of the amount bid provided said check shall not be less than $500.00 nor more than $20,000.00 made payable to H. O. Carhart, County Treasurer, and be delivered at the place and on the hour above named. The standard proposal form is attached to the specifications, copies of which will be furnished on application to engineer.

By order of the Board of Chosen Freeholders of the County of Warren.

MORRIS S. FAUST, Clerk.

Bids: Jan. 25.

Electric Wiring, etc

Binghamton, N. Y.

Sealed proposals for Renewal and Extension of Electric Wiring and Installation of Equipment, at the Binghamton State Hospital, Binghamton, N. Y., will be received by the State Hospital Commission, Capitol, Albany, N. Y., until 3 o'clock P.M., on Wednesday, January 25, 1922, when they will be publicly opened and read. Proposals shall be enclosed in an envelope furnished by the State Architect, sealed and addressed and shall be accompanied by a certified check in the sum of five per cent (5%) of the amount of the proposal. The contractor to whom the award is made will be required to furnish surety company bond in the sum of fifty per cent (50%) of the amount of the contract within thirty (30) days after official notice of award of contract and in accordance with the terms of Specification No. 3796. The right is reserved to reject any or all bids. Drawings and specifications may be examined and inspected at the Binghamton State Hospital, Binghamton, N. Y.; at the New York Office of the Department of Architecture, Room 618, Hall of Records Building and at the Department of Architecture, Capitol, Albany, N. Y. Drawings, specifications and blank forms of proposal may be obtained at the Department of Architecture, Capitol, Albany, N. Y., upon reasonable notice to and in the discretion of the State Architect, L. F. Pilcher, Capitol, Albany, N. Y.

L. M. FARRINGTON,
Secretary State Hospital Commission.
Dated: January 3, 1922.

Bids: Feb. 6. (Date extended.)

Garbage Incinerator

New Orleans, La.

Sealed proposals will be received at this office until the hour of 11 o'clock a.m., Monday, February 6th, 1922, for furnishing labor, materials and equipment, and constructing in accordance with the plans and specifications on file in the office of the City Engineer, any or all of the following pieces of work:

(1) Foundations and building complete, including piling.

(2) Radial brick chimney 150 feet by 6 feet complete on foundation furnished.

(3) Furnishing and installing of Incinerator equipment of the Decarie type, including electric traveling crane and electric generating equipment complete.

A certified check for an amount equal to 10% of the total amount bid in the proposal, payable to the undersigned Commissioner of Public Finances, or a bidder's bond for the same amount, must accompany each proposal.

Bond required: Equal to the total amount of contract.

The City Engineer will furnish bidders with a blank form of proposal. No proposal will be considered unless submitted on such form, and the bid price shall be expressed in both writing and figures, and enclosed in a sealed envelope marked "Proposal for Incinerator" addressed to the Commissioner of Public Finances of the City of New Orleans.

Bidders must have paid their City License in order that their bids may be accepted.

The successful bidder must enter into contract at his expense before the City Notary.

Copies of the plans and specifications now on file, as well as proposal blank forms, may be had at the office of the City Engineer upon the deposit of $50.00, which amount will be refunded if the plans and specifications are returned in good condition within ten (10) days after the opening of bids.

The City reserves the right to reject any and all bids.

R. M. MURPHY,
Commissioner of Public Finances.
City Hall, New Orleans, La.

Bids: Feb. 13.

Johnson Street Bridge, Contract No. 3

Victoria, B. C.

SEALED TENDERS, addressed to the City Clerk for the fabrication and erection of part of the Superstructure of the above, consisting of a Strauss Bascule Span with plate girder approaches, will be received up to noon on February 13th, 1922.

PLANS and Specifications may be obtained from the City Engineer on and after January the 9th, by depositing the sum of Fifteen Dollars ($15.00) which will be refunded upon the return of the Plans and Specifications in good condition.

The lowest or any tender will not necessarily be accepted.

JAS. L. RAYMUR,
Comptroller.

City Hall,
Victoria, B. C.
Jan. 4th, 1922.

Bids: Jan. 25.

Sewer and Water Pipe.

Washington, D. C.

Sealed proposals will be received by the Washington Suburban Sanitary Commission Evans Building, New York Ave., N. W., Washington, D. C., until 3 P.M., Jan. 25, for the following:

Contract 23-S, for furnishing 7,000 ft. 10, 12 and 18-inch vitrified sewer pipe.

Contract 24-W, for furnishing 45,500 ft. 12, 16 and 20-inch cast iron bell and spigot water pipe and 50 tons of special castings.

Specifications obtainable from Robert B. Morse, Chief Engineer, Washington Suburban Sanitary District Hyattsville, Md.

Washington Suburban Sanitary Commission.

WM. T. S. CURTIS,
Chairman.